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ASM

1983 Annual Survey of Manufactures

Geographic Area Statistics

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ASM

1983 Annual Survey of Manufactures

Issued February 1986

Geographic Area Statistics

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U.S. Department of Commerce
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John G. Keane,
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ASM
1983 Annual Survey of Manufactures

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INTRODUCTION

This report presents manufacturing establishment statistics for each State from the 1983 Annual Survey of Manufactures (ASM).

The estimates for 1983 are based upon reports from a representative sample of about 56,000 manufacturing establishments. The tables provide 1983 data on employment, hours, payrolls, value added by manufacture, capital expenditures, cost of materials, and value of industry shipments for most manufacturing industries. Establishments are classified in manufacturing industries in accordance with industry definitions described in the 1972 edition of the Standard Industrial Classification (SIC) Manual[1] published by the Office of Management and Budget.

SCOPE AND USE OF ANNUAL SURVEY

The 1983 Annual Survey of Manufactures is the 28th survey of this type conducted by the Bureau of the Census to provide for intercensal years the key measures of manufacturing activity for industry groups and important industries. These key measures, as well as other detailed statistics for manufacturing, were collected in the censuses of manufactures, the three most recent of which covered the years 1972, 1977, and 1982. An annual survey was conducted for each of the years between censuses starting with 1949.

During intercensal periods, these annual surveys provide a continuous series of basic statistics for industries, as well as furnish benchmarks for current business indicators and for measures of industrial production and productivity. The survey also provides significant data in connection with planning for industrial mobilization.

DESCRIPTION OF SURVEY SAMPLE

The statistics presented in this report are estimates compiled from a survey which is composed of two components. The mail portion of the survey is a probability sample of about 56,000 manufacturing establishments selected from a total of about 225,000 establishments. These 225,000 establishments represent all manufacturing establishments of multiunit companies and all single-unit manufacturing establishments with five employees or more tabulated in the 1977 Census of Manufactures lists. This mail portion is supplemented by a Social Security Administration list of new manufacturing establishments opened after 1977. The individual establishments were defined as the sampling units for this sample. This is a change from the previous ASM sample when companies were used as the sampling units. The implication of this change is that the probability of selection of any establishment relates only to the size of the establishment itself and is independent of the size of the company with which the establishment is affiliated. The efficiencies associated with the change to an establishment sample have made it possible to reduce the mail sample panel from 70,000 establishments in 1978 to 56,000 establishments in the current panel.

The nonmail portion of the survey includes all single-unit establishments that were tabulated with less than five employees in the 1977 Census of Manufactures. Although this portion contained approximately 125,000 establishments, it accounted for less than 2 percent of the estimate for total value of shipments at the total manufacturing level. This portion was not sampled; rather, the data for every establishment in this group were estimated based on selected information obtained annually from the administrative records of the Internal Revenue Service and the Social Security Administration. This administrative record information, which includes payroll, total employment, industry classification, and physical location of the establishment, was obtained under special conditions which safeguard the confidentiality of both tax and census records. Estimates of data other than payroll and employment for these small establishments were developed from industry averages.

The corresponding estimates for the mail and nonmail establishments were added together, along with the adjusted base-year differences as defined in the Description of Estimating Procedure section, to produce the figures shown in this publication. The remaining description of the survey sample relates only to the mail portion of the ASM sample.

All establishments with 250 employees or more in the 1977 census were included in the survey panel with certainty. These establishments collectively account for approximately 65 percent of the total value of shipments for manufacturing establishments in the 1977 census. Smaller establishments were sampled with probabilities ranging from 1.000 down to 0.0005 in accordance with mathematical theory for optimum allocation of a sample.

The probabilities of selection assigned to the smaller establishments were proportional to measures of size determined for each establishment. For establishments included in the 1977 Census of Manufactures, the measures of size depended directly upon each establishment's 1977 product class values and the historic variability of the year-to-year shipments of each product class. All 1982 multiunit "birth" establishments were added to the mail file, as well as large single unit establishments with more than 35 employees.

This method of assigning measures of size was used in order to maximize the precision (that is, minimize the variance of estimates of the year to year change) in the value of product class shipments. Implicitly, it also gave weight to differences in employment, value added, and other general statistics, since these are highly correlated with value of shipments. Individual sample selection probabilities were obtained by multiplying each establishment's final measure of size by an overall sampling fraction coefficient calculated to yield a total expected sample size.

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[1] **Standard Industrial Classification Manual: 1972.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. **1977 Supplement**. Stock No. 003-005-00176-0.

The sample selection procedure gave each establishment in the sampling frame an independent chance of selection. This method of independent selection permits the rotation of establishments into and out of a given sample panel without introducing a bias into the survey estimates.

DESCRIPTION OF ESTIMATING PROCEDURE

Most of the ASM estimates for 1983 were computed using a modified difference estimation procedure. For each item, the difference between the 1982 census published number for an item total and the linear estimate of the totals for 1982 was generated. These base-year differences were then added to the corresponding current-year linear estimates, which include the sum of the estimates for the mail and nonmail establishments, to produce the current-year estimates shown in this publication. Estimates developed by this procedure usually are far more reliable than comparable linear estimates developed from the current sample data alone. Comparative data from the 1982 Census of Manufactures are shown in many of the tables.

QUALIFICATIONS OF THE DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sampled lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of the estimates.

The particular sample selected for the ASM is one of a large number of similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretical, comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected statistics in this report. They are presented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjuction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete coverage value would be included in the range:

1. From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
2. From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
3. From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associate relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors would also occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected in the course of the Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

The concept of complete coverage under the conditions prevailing for the annual survey of manufactures is not identical to the complete coverage of the censuses of manufactures as the censuses have been conducted. Nearly all types of operational errors that affect the survey also occur in the censuses. The surveys and the censuses, however, are conducted under quite different conditions, and operational errors can be controlled more in the survey than in the censuses. As a result, for many of the census figures, the errors are the same order of size as the total errors of the corresponding annual survey estimates. The differences between the census and survey operating conditions also disturb, to some degree, the comparability of the ASM and census data.

Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be of limited reliability. However, the figure may be combined with higher level totals, creating a broader aggregate which may then be of acceptable reliability.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

–	Represents zero.
(D)	Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
(X)	Not applicable.
(Z)	Less than half the limit shown.
n.e.c.	Not elsewhere classified.
r	Revised.
SIC	Standard Industrial Classification.

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Table 1. Historical Statistics for the United States and States: 1983 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year[1]	Establishments[2]		All employees[2]		Production workers			Value added by manufacture[3] (million dollars)	Cost of materials[4] (million dollars)	Value of shipments[4] (million dollars)	New capital expenditures (million dollars)	Comparative indexes and U.S. employment			
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					Percent of U.S. manufacturing employment	Index of State manufacturing employment change (1977 = 100)	Index of U.S. manufacturing employment change (1977 = 100)	U.S. manufacturing employment (1,000)
	UNITED STATES														
1983	(NA)	(NA)	18 701.6	394 829.0	12 188.5	23 599.2	212 265.7	882 138.8	1 170 237.7	2 054 975.2	61 920.3	100.00	(X)	95	18 701.6
1982	358 061	123 163	19 094.1	379 626.5	12 400.6	23 538.3	204 787.2	824 117.7	1 130 142.7	1 960 205.8	74 561.5	100.00	(X)	97	19 094.1
1977	359 928	118 699	19 590.1	264 013.1	13 691.0	[illegible]	157 163.7	585 165.6	782 417.7	1 358 526.4	47 459.0	100.00	(X)	100	19 590.1
1972	320 710	114 195	19 028.7	174 205.5	13 527.9	26 699.2	105 501.8	353 994.0	407 418.7	756 534.3	24 077.7	100.00	(X)	97	19 028.7
1967	311 140	110 256	19 322.9	132 208.4	13 955.3	27 837.6	81 393.6	261 983.8	298 513.7	557 397.8	21 503.0	100.00	(X)	99	19 322.9
	ALABAMA														
1983	(NA)	(NA)	333.1	5 570.5	259.8	503.7	3 848.8	13 838.6	19 255.9	32 841.6	1 619.6	1.78	98	95	18 701.6
1982	5 528	1 968	329.6	5 234.4	253.6	479.8	3 598.3	12 045.7	17 535.5	29 794.3	1 540.2	1.73	97	97	19 094.1
1977	5 863	1 855	341.0	3 773.2	273.0	525.2	2 697.6	8 405.9	12 814.7	21 010.1	1 316.9	1.74	100	100	19 590.1
1982	4 974	1 630	322.6	2 396.8	262.2	519.3	1 730.8	5 064.8	6 254.4	11 239.5	355.1	1.70	95	97	19 028.7
1967	4 951	1 446	288.8	1 602.8	235.3	466.6	1 166.6	3 525.5	3 956.4	7 442.9	378.9	1.49	85	99	19 322.9
	ALASKA														
1983	(NA)	(NA)	10.9	265.0	8.3	16.7	194.6	805.9	1 724.8	2 546.2	34.6	.06	96	95	18 701.6
1982	445	144	12.8	269.5	10.0	18.3	196.6	769.2	1 805.8	2 579.9	58.5	.07	112	97	19 094.1
1977	429	128	11.4	166.0	9.3	16.9	122.7	504.2	767.2	1 250.3	178.1	.06	100	100	19 590.1
1972	342	91	7.5	75.1	6.1	11.6	56.5	170.4	191.8	366.1	21.8	.04	66	97	19 028.7
1967	323	95	7.6	55.6	6.3	11.7	42.7	130.4	147.8	278.2	14.7	.04	67	99	19 322.9
	ARIZONA														
1983	(NA)	(NA)	145.8	3 170.4	81.8	155.8	1 397.5	7 045.4	6 870.8	13 967.3	720.6	.78	131	95	18 701.6
1982	3 407	854	149.8	3 036.2	86.7	165.2	1 423.4	6 162.4	6 726.3	12 907.2	765.2	.78	135	97	19 094.1
1977	2 892	677	110.9	1 462.9	69.8	135.0	780.7	3 332.9	3 773.4	7 022.4	213.7	.57	100	100	19 590.1
1972	2 037	597	93.9	855.1	62.3	121.1	481.5	1 879.6	2 233.7	4 041.2	198.4	.49	85	97	19 028.7
1967	1 630	424	76.8	543.2	50.8	101.8	308.6	995.3	1 003.9	2 003.7	109.9	.40	69	99	19 322.9
	ARKANSAS														
1983	(NA)	(NA)	190.8	3 020.8	149.4	291.1	2 089.8	8 077.5	12 643.5	20 606.3	487.6	1.02	97	95	18 701.6
1982	3 313	1 161	189.8	2 823.7	148.8	279.1	1 931.7	7 755.3	12 002.1	19 746.5	701.2	.99	96	97	19 094.1
1977	3 595	1 101	197.1	1 932.4	160.6	310.4	1 400.7	4 881.6	7 554.1	12 276.1	470.1	1.01	100	100	19 590.1
1972	2 897	1 053	180.9	1 151.7	150.1	298.4	853.4	2 799.8	3 754.8	6 504.2	190.0	.95	92	97	19 028.7
1967	2 911	927	143.6	685.6	120.7	239.6	497.3	1 557.7	2 354.2	3 877.1	172.6	.74	73	99	19 322.9
	CALIFORNIA														
1983	(NA)	(NA)	1 964.3	44 845.2	1 191.8	2 304.4	21 171.3	97 081.0	106 809.1	204 149.5	6 932.4	10.61	113	95	18 701.6
1982	47 625	14 467	2 004.8	42 630.0	1 209.3	2 317.6	20 560.6	94 386.4	105 569.9	199 695.4	8 439.4	10.49	114	97	19 094.1
1977	45 289	12 883	1 751.5	24 671.5	1 142.6	2 224.2	13 150.5	54 862.4	66 861.2	120 895.8	3 385.4	8.94	100	100	19 590.1
1972	35 699	11 149	1 545.1	15 483.1	1 020.0	1 974.9	8 430.4	31 175.2	32 603.2	62 902.6	1 649.0	8.12	88	97	19 028.7
1967	31 962	10 012	1 583.5	12 514.5	1 044.9	2 089.7	6 877.8	23 393.6	24 156.7	47 136.1	1 529.2	8.19	90	99	19 322.9
	COLORADO														
1983	(NA)	(NA)	193.3	4 298.0	108.1	207.5	1 989.6	8 446.3	10 696.0	19 274.4	737.4	1.03	127	95	18 701.6
1982	4 406	1 167	191.4	3 983.2	109.8	207.5	1 876.7	8 056.8	9 958.6	17 963.1	892.2	1.00	126	97	19 094.1
1977	3 948	961	152.5	2 124.8	97.7	190.1	1 141.3	4 471.8	5 594.2	10 018.0	443.1	.78	100	100	19 590.1
1972	2 841	834	132.6	1 297.8	89.0	176.7	769.7	2 504.3	3 319.7	5 792.9	228.8	.70	87	97	19 028.7
1967	2 461	664	104.0	730.5	71.2	143.4	444.8	1 509.2	1 733.0	3 226.6	99.6	.54	68	99	19 322.9
	CONNECTICUT														
1983	(NA)	(NA)	420.3	9 493.5	235.5	465.0	4 156.6	17 560.3	13 962.9	31 684.0	972.3	2.25	102	95	18 701.6
1982	6 693	2 537	424.4	9 059.6	245.0	478.8	4 095.0	16 373.4	13 697.3	30 066.5	1 054.2	2.22	103	97	19 094.1
1977	6 485	2 366	412.1	5 852.3	255.3	509.0	2 901.8	10 933.9	9 084.4	19 842.2	566.0	2.10	100	100	19 590.1
1972	5 836	2 231	399.3	3 860.0	258.2	520.9	2 068.7	6 828.3	5 384.6	12 121.0	331.6	2.10	97	97	19 028.7
1967	5 829	2 231	477.7	3 494.3	329.9	684.6	2 066.0	6 389.8	5 284.1	11 619.7	445.7	2.47	116	99	19 322.9
	DELAWARE														
1983	(NA)	(NA)	66.2	1 827.2	31.6	62.4	620.0	2 857.4	6 676.8	9 558.6	246.9	.35	100	95	18 701.6
1982	632	248	67.9	1 742.9	31.7	60.5	557.0	2 466.7	5 891.2	8 382.8	322.1	.35	102	97	19 094.1
1977	619	231	66.5	1 140.6	32.3	63.0	409.9	1 595.7	3 635.3	5 208.7	148.2	.34	100	100	19 590.1
1972	567	243	69.1	754.5	37.7	73.9	304.4	1 291.9	2 106.8	3 387.9	91.5	.36	104	97	19 028.7
1967	528	253	70.7	588.4	38.8	75.8	228.1	958.4	1 520.8	2 484.3	115.9	.37	106	99	19 322.9
	DISTRICT OF COLUMBIA														
1983	(NA)	(NA)	16.5	395.2	6.4	11.7	119.7	1 134.2	524.1	1 661.3	69.9	.09	89	95	18 701.6
1982	514	127	16.7	393.7	6.4	12.0	125.3	928.6	606.4	1 537.1	55.1	.09	90	97	19 094.1
1977	555	130	18.6	297.6	7.5	13.3	102.3	610.2	377.7	984.4	18.1	.10	100	100	19 590.1
1972	564	135	19.4	220.0	9.4	16.5	96.7	389.0	250.7	630.9	16.9	.10	104	97	19 028.7
1967	593	155	23.1	178.7	11.7	21.7	77.4	332.8	258.8	589.7	17.0	.12	124	99	19 322.9
	FLORIDA														
1983	(NA)	(NA)	453.0	8 252.9	294.0	574.6	4 127.6	19 294.4	22 754.7	41 718.7	1 352.0	2.42	127	95	18 701.6
1982	13 723	3 599	454.4	7 773.2	292.2	566.6	3 355.8	18 111.8	20 610.8	38 683.3	1 960.6	2.37	127	97	19 094.1
1977	12 399	2 915	358.0	4 133.1	249.6	485.2	2 335.5	9 255.1	11 898.4	20 980.6	737.3	1.83	100	100	19 590.1
1972	10 275	2 893	342.9	2 750.3	242.0	481.5	1 580.8	5 786.8	6 276.8	11 957.7	463.0	1.80	96	97	19 028.7
1967	7 950	2 186	285.1	1 754.7	197.3	399.8	990.0	3 682.7	3 704.1	7 322.9	300.7	1.48	80	99	19 322.9

See footnotes at end of table.

Table 1. Historical Statistics for the United States and States: 1983 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year[1]	Establishments[2]		All employees[2]		Production workers							Comparative indexes and U.S. employment			
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufacture[3] (million dollars)	Cost of materials[4] (million dollars)	Value of shipments[4] (million dollars)	New capital expenditures (million dollars)	Percent of U.S. manufacturing employment	Index of State manufacturing employment change (1977 = 100)	Index of U.S. manufacturing employment change (1977 = 100)	U.S. manufacturing employment (1,000)
								GEORGIA							
1983 ...	(NA)	(NA)	506.5	8 596.3	372.4	729.9	5 304.9	22 031.2	31 964.7	53 704.9	1 350.3	2.71	104	95	18 701.6
1982 ...	8 534	3 148	503.0	7 905.7	369.4	705.0	4 863.9	19 191.8	29 101.3	48 056.0	1 921.7	2.63	104	97	19 094.1
1977 ...	8 623	2 906	484.7	5 124.5	376.2	740.6	3 404.4	12 548.8	20 365.4	32 856.4	1 143.4	2.47	100	100	19 590.1
1972 ...	7 627	2 663	467.5	3 336.0	368.6	737.5	2 242.8	7 385.8	11 022.2	18 374.2	688.9	2.46	96	97	19 028.7
1967 ...	6 976	2 268	423.1	2 231.2	339.3	684.6	1 522.2	4 68[illegible].6	7 054.6	11 713.0	423.3	2.19	87	99	19 322.9
								HAWAII							
1983 ...	(NA)	(NA)	22.6	375.9	14.9	29.0	223.8	1 045.9	2 382.2	3 414.5	60.6	12	90	95	18 701.6
1982 ...	966	237	23.6	360.3	16.6	29.9	217.5	1 119.6	2 357.5	3 443.0	89.4	12	94	97	19 094.1
1977 ...	949	231	25.0	276.8	17.4	31.3	160.5	785.5	1 176.1	1 974.0	44.4	13	100	100	19 590.1
1972 ...	773	238	24.8	191.1	17.7	33.1	113.7	410.0	548.3	953.6	46.7	13	99	97	19 028.7
1967 ...	697	215	25.4	139.6	19.0	35.9	86.9	326.2	399.6	723.4	26.0	13	101	99	19 322.9
								IDAHO							
1983 ...	(NA)	(NA)	48.5	942.9	35.3	65.4	587.6	2 436.2	3 385.5	5 827.1	139.1	26	94	95	18 701.6
1982 ...	1 404	354	47.6	864.8	34.0	62.6	545.2	2 076.5	3 222.5	5 369.6	147.3	25	92	97	19 094.1
1977 ...	1 495	379	51.6	625.2	39.8	76.5	431.9	1 430.0	2 233.6	3 657.7	158.7	26	100	100	19 530.1
1972 ...	1 190	350	43.0	339.9	34.3	66.0	244.6	820.8	1 257.4	2 069.0	74.9	23	83	97	19 028.7
1967 ...	1 131	303	37.1	219.9	29.0	56.9	157.0	503.4	713.4	1 224.5	57.7	19	72	99	19 322.9
								ILLINOIS							
1983 ...	(NA)	(NA)	1 024.3	22 908.9	640.2	1 225.3	11 878.6	49 733.9	64 374.8	114 7[illegible]0.5	2 935.7	5.48	80	95	18 701.6
1982 ...	18 618	7 102	1 068.7	22 680.9	663.6	1 256.4	11 931.4	47 704.6	64 144.8	112 928.8	3 372.3	5.60	83	97	19 094.1
1977 ...	19 517	7 441	1 286.2	18 740.8	857.8	1 676.7	10 756.5	40 279.1	53 342.1	93 081.3	2 661.5	6.56	100	100	19 590.1
1972 ...	18 617	7 345	1 306.1	12 801.1	901.0	1 780.3	7 614.9	25 848.9	28 146.3	53 553.1	1 564.1	6.86	102	97	19 028.7
1967 ...	18 536	7 477	1 397.3	10 013.9	995.1	1 978.8	6 180.0	20 016.5	21 559.6	41 333.7	1 493.4	7.23	109	99	19 322.9
								INDIANA							
1983 ...	(NA)	(NA)	580.8	13 124.4	406.5	795.9	8 [illegible]15.0	29 557.8	39 544.3	69 037.7	2 069.5	3.11	82	95	18 701.6
1982 ...	7 960	3 184	5[illegible]5.1	12 559.3	406.0	759.1	7 821.4	25 747.0	36 762.[illegible]	63 331.9	2 232.7	3.06	83	97	19 094.1
1977 ...	8 061	3 229	[illegible]05.9	10 438.9	521.9	1 024.8	7 046.5	22 717.6	29 829.1	52 172.2	2 078.0	3.60	100	100	19 590.1
1972 ...	7 354	3 049	703.9	6 881.5	526.1	1 041.7	4 640.8	14 111.6	15 327.1	29 167.7	907.3	3.70	100	97	19 028.7
1967 ...	6 920	2 917	710.2	5 023.2	543.6	1 078.1	3 453.5	10 308.0	11 706.0	21 856.0	1 004.4	3.68	101	99	19 322.9
								IOWA							
1983 ...	(NA)	(NA)	203.4	4 392.8	136.8	259.1	2 654.9	12 342.0	19 143.1	31 567.8	542.1	1.09	85	95	18 701.6
1982 ...	3 598	1 223	212.8	4 403.2	140.0	259.2	2 648.8	12 077.9	19 369.6	31 397.0	688.6	1.11	89	97	19 094.1
1977 ...	3 783	1 245	240.3	3 382.5	170.6	331.7	2 191.3	8 684.4	14 943.6	23 514.3	677.8	1.23	100	100	19 590.1
1972 ...	3 387	1 170	215.5	2 038.8	157.0	311.2	1 355.0	4 757.7	7 945.0	12 599.8	329.4	1.13	90	97	19 028.7
1967 ...	3 388	1 092	210.1	1 434.6	154.0	310.0	946.1	3 250.9	5 498.1	8 681.0	230.7	1.09	87	99	19 322.9
								KANSAS							
1983 ...	(NA)	(NA)	166.1	3 414.2	111.3	217.5	2 007.5	9 413.5	18 357.3	27 500.8	624.3	89	99	95	18 701.6
1982 ...	3 235	1 103	170.6	3 322.8	112.8	217.9	1 957.8	8 436.5	18 104.1	26 753.4	613.3	89	101	97	19 094.1
1977 ...	3 270	1 037	168.1	2 114.8	121.6	241.5	1 370.8	5 337.8	10 783.0	15 987.3	345.4	85	100	100	19 590.1
1972 ...	2 839	957	137.0	1 181.1	101.3	202.5	782.8	2 915.4	5 237.8	8 062.[illegible]	199.2	71	81	97	19 028.7
1967 ...	2 551	812	143.8	964.8	106.5	218.1	655.4	2 112.4	3 281.9	5 372.3	155.9	74	86	99	19 322.9
								KENTUCKY							
1983 ...	(NA)	(NA)	245.4	4 870.0	175.2	332.0	3 051.3	13 127.9	19 599.4	32 634.3	962.8	1.31	88	95	18 701.6
1982 ...	3 502	1 354	246.6	4 638.8	173.8	319.7	2 874.0	11 819.7	17 662.0	29 638.6	996.8	1.2[illegible]	89	97	19 094.1
1977 ...	3 548	1 318	277.5	3 452.2	209.0	399.5	2 302.5	9 545.7	13 565.7	22 874.7	715.9	1.42	100	100	19 590.1
1972 ...	3 167	1 259	258.7	2 160.[illegible]	200.4	392.9	1 479.8	5 682.1	6 794.6	12 360.0	380.0	1.36	93	97	19 028.7
1967 ...	2 994	1 135	224.6	1 351.9	175.6	34[illegible].5	926.7	3 636.0	4 180.5	7 796.0	338.3	1.16	81	99	19 322.9
								LOUISIANA							
1983 ...	(NA)	(NA)	186.5	4 170.1	128.0	253.3	2 572.9	11 999.8	41 273.1	53 584.7	2 035.4	1.00	96	95	18 701.6
1982 ...	4 107	1 335	202.0	4 304.1	142.4	281.0	2 730.5	11 754.6	44 843.5	57 058.1	2 561.9	1.06	104	97	19 094.1
1977 ...	4 276	1 236	194.8	2 682.7	145.2	292.0	1 798.9	9 418.3	20 266.6	29 493.3	2 072.8	99	100	100	19 590.1
1972 ...	3 65[illegible]	1 133	179.4	1 601.4	134.3	274.6	1 072.1	4 273.4	7 014.1	11 265.0	568.2	94	92	97	19 028.7
1967 ...	3 639	1 016	164.5	1 084.4	120.8	250.6	712.2	2 790.3	4 536.5	7 275.2	741.4	85	84	99	19 322.9
								MAINE							
1983 ...	(NA)	(NA)	109.1	1 895.5	85.6	165.3	1 321.2	4 226.5	4 848.3	9 088.8	340.4	58	106	95	18 701.6
1982 ...	2 009	616	110.2	1 774.9	86.4	165.8	1 236.8	4 037.8	4 634.9	8 649.1	510.3	58	107	97	19 094.1
1977 ...	2 157	595	102.8	1 077.6	84.2	163.6	781.0	2 343.0	2 845.1	5 144.6	222.9	52	100	100	19 590.1
1972 ...	2 075	590	100.0	699.4	82.6	162.2	512.9	1 383.4	1 503.9	2 879.4	138.9	53	97	97	19 028.7
1967 ...	2 385	615	110.8	577.2	93.6	186.6	437.3	1 069.5	1 164.9	2 215.5	98.8	57	108	99	19 322.9
								MARYLAND							
1983 ...	(NA)	(NA)	225.7	5 031.5	140.[illegible]	269.4	2 635.0	10 735.8	11 767.9	22 481.1	865.3	1.21	93	95	18 701.6
1982 ...	[illegible]	1 382	234.4	4 859.3	145.9	270.6	2 550.8	10 133.8	11 256.1	21 281.5	718.1	1.23	96	97	19 094.1
1977 ...	3 937	1 351	243.2	3 419.5	162.9	311.6	1 976.0	7 115.6	8 908.4	15 930.4	513.8	1.24	100	100	19 590.1
1972 ...	3 579	1 437	255.6	2 386.[illegible]	175.7	345.7	1 427.8	4 706.9	5 309.6	9 963.3	310.2	1.34	105	97	19 028.7
1967 ...	3 401	1 963	287.6	1 95[illegible]	205.4	405.6	1 208.5	3 781.3	4 303.1	8 066.3	251.6	1.49	118	99	19 322.9

See footnotes at end of table.

Table 1. Historical Statistics for the United States and States: 1983 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year[1]	Establishments[2]: Total (no.)	Establishments[2]: With 20 employees or more (no.)	All employees[2]: Number (1,000)	All employees[2]: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture[3] (million dollars)	Cost of materials[3] (million dollars)	Value of shipments[3] (million dollars)	New capital expenditures (million dollars)	Comparative indexes and U.S. employment: Percent of U.S. manufacturing employment	Index of State manufacturing employment change (1977=100)	Index of U.S. manufacturing employment change (1977=100)	U.S. manufacturing employment (1,000)
MASSACHUSETTS															
1983	(NA)	(NA)	630.0	13 134.1	386.6	745.8	6 200.4	27 702.3	23 359.5	50 652.3	1 670.2	3.37	103	95	18 701.6
1982	11 017	4 290	643.4	12 353.1	397.0	765.2	6 000.6	25 967.5	22 145.8	48 203.9	1 667.3	3.36	105	97	19 094.1
1977	11 133	4 054	613.4	7 818.8	407.9	791.9	4 199.2	16 348.6	14 075.4	30 144.2	952.8	3.13	100	100	19 590.1
1972	10 770	4 471	618.9	5 486.0	416.0	812.1	3 027.0	10 677.5	8 616.7	19 133.9	537.5	3.25	101	97	19 028.7
1967	10 963	4 471	713.6	4 646.3	507.9	999.0	2 755.3	8 715.0	7 294.4	15 925.5	493.7	3.69	116	99	19 322.9
MICHIGAN															
1983	(NA)	(NA)	874.3	23 950.0	575.9	1 172.4	13 914.9	48 206.3	66 967.4	114 842.8	2 546.8	4.68	78	95	18 701.6
1982	15 158	5 010	883.9	22 223.0	563.6	1 090.5	12 504.9	39 118.1	59 962.5	99 115.0	3 503.0	4.62	79	97	19 094.1
1977	15 627	5 380	1 115.9	20 054.0	789.4	1 626.3	12 720.6	37 566.0	56 775.9	93 957.1	3 739.2	5.69	100	100	19 590.1
1972	14 461	5 019	1 076.2	12 735.1	768.1	1 582.6	8 094.7	23 375.7	30 871.3	54 039.3	2 071.4	5.66	96	97	19 028.7
1967	14 340	5 157	1 134.1	9 357.2	816.7	1 669.2	6 008.0	17 241.6	22 011.1	39 133.2	1 360.2	5.87	102	99	19 322.9
MINNESOTA															
1983	(NA)	(NA)	358.5	8 016.8	202.8	387.6	3 617.9	16 563.9	20 924.1	37 433.5	1 069.4	1.92	108	95	18 701.6
1982	6 775	2 214	350.0	7 422.9	200.6	376.2	3 428.4	15 366.9	19 853.5	35 321.3	1 193.0	1.83	106	97	19 094.1
1977	6 637	2 126	331.7	4 633.0	211.1	403.8	2 413.1	9 605.2	13 598.6	23 021.2	576.4	1.69	100	100	19 590.1
1972	5 698	1 930	302.2	2 889.0	196.1	382.8	1 555.1	5 523.8	7 443.4	12 901.3	305.5	1.59	91	97	19 028.7
1967	5 409	1 778	299.8	2 106.5	198.8	398.7	1 177.6	4 080.2	5 449.1	9 443.2	231.3	1.55	90	99	19 322.9
MISSISSIPPI															
1983	(NA)	(NA)	203.6	3 080.7	161.1	310.2	2 121.4	8 215.2	12 165.3	20 256.0	1 191.8	1.09	93	95	18 701.6
1982	3 126	1 223	201.7	2 880.8	158.2	299.2	1 977.6	7 874.9	11 576.8	19 488.0	1 154.3	1.05	92	97	19 094.1
1977	3 289	1 147	219.4	2 061.5	177.9	348.1	1 477.3	5 619.3	7 279.4	12 765.8	470.8	1.12	100	100	19 590.1
1982	2 727	1 066	200.4	1 302.4	166.9	332.0	958.6	2 824.7	3 766.3	6 540.8	235.9	1.05	91	98	19 028.7
1967	2 761	925	160.4	764.0	133.8	269.7	560.9	1 635.3	2 111.8	3 719.3	276.2	.83	73	99	19 322.9
MISSOURI															
1983	(NA)	(NA)	393.7	8 317.5	248.6	475.2	4 379.9	19 250.3	26 189.2	45 045.9	1 266.1	2.11	91	95	18 701.6
1982	7 069	2 467	405.9	8 013.2	256.4	477.2	4 198.9	18 333.8	24 160.9	41 459.4	1 339.8	2.12	94	97	19 094.1
1977	7 355	2 430	433.3	5 709.1	299.1	572.4	3 408.5	13 087.0	20 098.8	33 162.5	780.9	2.21	100	100	19 590.1
1972	6 732	2 470	434.3	3 897.3	299.8	583.8	2 305.4	8 169.0	10 805.9	18 773.8	395.9	2.28	100	97	19 028.7
1967	6 545	2 457	452.2	3 048.9	320.9	631.3	1 851.7	5 895.0	8 229.0	14 085.4	346.8	2.34	104	99	19 322.9
MONTANA															
1983	(NA)	(NA)	20.1	418.7	15.1	29.5	297.7	751.7	2 914.6	3 697.2	62.4	.11	86	95	18 701.6
1982	1 090	176	20.2	379.1	14.6	27.0	265.0	713.5	2 954.5	3 668.2	74.6	.11	86	97	19 094.1
1977	1 168	202	23.5	311.8	18.4	35.9	236.0	802.2	1 872.3	2 669.9	97.8	.12	100	100	19 590.1
1972	943	206	21.4	184.6	17.1	33.6	137.7	462.5	1 129.6	1 596.7	75.8	.11	91	97	19 028.7
1967	923	191	20.4	129.5	16.1	32.1	96.4	311.6	660.2	967.3	68.9	.11	87	99	19 322.9
NEBRASKA															
1983	(NA)	(NA)	86.3	1 612.0	60.8	119.8	1 015.2	4 532.6	9 524.0	13 955.3	199.9	.46	98	95	18 701.6
1982	1 928	633	91.1	1 624.4	64.4	124.3	1 014.8	4 444.5	10 628.0	15 143.2	245.3	.48	104	97	19 094.1
1977	1 965	626	87.7	1 075.4	62.8	124.0	680.9	2 867.1	5 864.0	8 713.4	175.1	.45	100	100	19 590.1
1982	1 723	597	84.9	704.2	63.2	127.6	469.2	1 733.4	4 220.5	5 898.4	102.3	.45	97	97	19 028.7
1967	1 675	525	77.0	475.9	58.4	119.2	325.0	1 150.0	2 402.7	3 531.7	71.4	.40	88	99	19 322.9
NEVADA															
1983	(NA)	(NA)	19.6	365.1	12.7	24.4	209.3	888.0	860.2	1 767.8	73.4	.10	131	95	18 701.6
1982	851	177	20.4	356.2	13.1	24.8	209.7	862.6	895.6	1 755.6	80.3	.11	136	97	19 094.1
1977	729	147	15.0	191.6	10.0	19.3	113.4	495.2	461.0	942.0	46.4	.08	100	100	19 590.1
1972	447	104	10.0	91.7	6.9	13.5	57.2	207.7	222.1	423.4	23.5	.05	66	97	19 028.7
1967	330	74	7.0	49.6	4.8	9.3	31.2	133.8	117.2	250.0	15.4	.04	47	99	19 322.9
NEW HAMPSHIRE															
1983	(NA)	(NA)	108.9	1 969.8	76.8	146.4	1 130.3	3 983.6	3 917.9	7 928.9	238.0	.58	114	95	18 701.6
1982	1 981	721	107.4	1 792.0	75.3	144.9	1 054.9	4 001.0	3 609.3	7 635.6	246.2	.56	113	97	19 094.1
1977	1 825	623	95.3	1 029.0	72.0	138.0	645.3	2 174.7	1 893.7	4 032.3	162.0	.49	100	100	19 590.1
1972	1 434	566	89.7	663.2	67.7	131.4	414.0	1 278.6	1 034.2	2 288.7	99.1	.47	94	97	19 028.7
1967	1 481	566	94.9	512.6	76.6	151.0	364.3	931.9	807.8	1 716.8	75.6	.49	100	99	19 322.9
NEW JERSEY															
1983	(NA)	(NA)	751.7	16 524.0	436.0	846.7	7 491.4	33 690.9	39 104.4	72 636.9	1 859.1	4.02	97	95	18 701.6
1982	15 126	5 756	754.0	15 845.0	440.4	842.7	7 206.7	31 656.0	38 430.8	70 419.9	2 061.3	3.94	97	97	19 094.1
1977	15 696	5 775	778.3	10 924.2	489.6	955.8	5 561.7	22 852.8	28 633.9	51 279.4	1 376.3	3.97	100	100	19 590.1
1972	13 790	5 918	836.1	8 107.2	546.6	1 070.9	4 353.7	16 408.9	16 149.8	32 409.1	940.1	4.39	107	97	19 028.7
1967	14 740	5 903	881.3	6 325.4	605.7	1 203.7	3 617.8	12 738.2	13 151.2	25 761.7	821.3	4.56	113	99	19 322.9
NEW MEXICO															
1983	(NA)	(NA)	30.3	510.8	20.3	39.0	294.6	1 309.9	2 711.7	3 994.7	122.5	.16	104	95	18 701.6
1982	1 223	299	33.0	521.2	22.2	41.8	296.6	1 397.7	2 431.8	3 815.4	120.8	.17	114	97	19 094.1
1977	1 323	258	29.0	296.9	20.9	39.5	183.8	733.5	1 289.4	2 009.2	75.0	.15	100	100	19 590.1
1972	926	277	23.6	157.2	17.2	32.9	96.0	358.0	567.2	910.4	30.8	.12	81	97	19 028.7
1967	749	169	16.9	98.6	11.3	22.3	55.6	204.5	284.3	486.3	10.6	.09	58	99	19 322.9

See footnotes at end of table.

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Table 1. Historical Statistics for the United States and States: 1983 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year[1]	Establishments[2]		All employees[2]		Production workers			Value added by manufacture[3] (million dollars)	Cost of materials[4] (million dollars)	Value of shipments[4] (million dollars)	New capital expenditures (million dollars)	Comparative indexes and U.S. employment			
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					Percent of U.S. manufacturing employment	Index of State manufacturing employment change (1977 = 100)	Index of U.S. manufacturing employment change (1977 = 100)	U.S. manufacturing employment (1,000)
NEW YORK															
1983 ...	(NA)	(NA)	1 383.3	30 044.1	817.9	1 577.4	13 441.7	66 969.8	58 766.6	125 956.3	3 545.6	7.40	92	95	18 701.6
1982 ...	32 651	10 670	1 418.8	29 156.0	836.3	1 613.0	13 269.9	62 906.6	58 009.8	121 468.6	4 267.1	7.43	94	97	19 094.1
1977 ...	36 578	11 425	1 509.9	20 876.1	958.1	1 827.5	10 418.8	44 299.8	42 441.9	86 216.4	2 530.2	7.70	100	100	19 590.1
1972 ...	41 684	14 353	1 679.3	16 222.0	1 076.2	2 068.2	8 174.3	30 403.5	28 341.1	58 558.6	1 506.0	8.83	111	97	19 028.7
1967 ...	42 911	14 730	1 929.3	13 851.5	1 284.5	2 509.8	7 334.7	25 246.7	24 458.6	49 418.7	1 310.3	9.96	128	99	19 322.9
NORTH CAROLINA															
1983 ...	(NA)	(NA)	803.8	13 020.0	613.6	1 181.3	8 118.7	32 568.9	38 350.3	70 948.5	2 419.1	4.30	105	95	18 701.6
1982 ...	10 132	4 378	798.6	11 717.1	604.9	1 116.0	7 297.3	28 492.2	35 634.0	64 176.2	2 583.[illegible]	4.18	104	97	19 094.1
1977 ...	9 954	4 005	765.3	7 518.5	611.3	1 186.5	5 086.3	18 230.6	23 009.8	40 912.2	1 345.3	3.91	100	100	19 590.1
1972 ...	8 632	3 794	743.7	4 929.1	604.0	1 211.0	3 427.3	11 014.5	13 295.7	24 123.9	985.8	3.91	97	97	19 028.7
1967 ...	8 266	3 379	643.3	3 066.1	537.8	1 070.2	2 210.1	6 606.5	8 592.8	15 129.6	664.6	3.33	84	99	19 322.9
NORTH DAKOTA															
1983 ...	(NA)	(NA)	14.0	253.1	9.0	17.7	142.1	675.8	1 661.7	2 372.6	57.4	07	101	95	18 701.6
1982 ...	587	142	14.8	245.6	9.7	18.0	141.2	652.1	1 820.5	2 465.0	101.1	08	107	97	19 094.1
1977 ...	571	145	13.8	[illegible]	[illegible]	17.7	97.2	473.3	842.7	1 312.9	53.0	07	100	100	19 590.1
1972 ...	482	117	10.2	78.6	7.1	14.4	47.7	200.7	379.3	593.9	13.3	05	74	97	19 028.7
1967 ...	456	92	7.5	41.6	5.2	10.7	26.1	112.8	255.5	365.4	6.3	04	54	99	19 322.9
OHIO															
1983 ...	(NA)	(NA)	1 078.3	25 844.3	689.3	1 362.6	14 689.2	54 801.6	70 182.6	124 724.8	3 132.2	5.77	81	95	18 701.6
1982 ...	16 960	6 515	1 102.0	24 740.1	694.9	1 326.3	13 816.3	49 640.9	61 942.9	112 277.6	4 216.3	5.77	83	97	19 094.1
1977 ...	17 354	6 728	1 331.2	20 356.0	924.4	1 838.5	12 907.5	43 054.7	52 736.3	95 234.7	2 790.7	6.79	100	100	19 590.1
1972 ...	16 390	6 487	1 346.3	13 810.0	940.0	1 887.8	8 717.0	27 171.0	28 285.6	55 025.4	1 695.4	7.08	101	97	19 028.7
1967 ...	15 428	6 487	1 397.0	10 523.6	998.1	2 014.5	6 745.4	20 435.4	21 589.5	41 845.3	1 694.1	7.23	105	99	19 322.9
OKLAHOMA															
1983 ...	(NA)	(NA)	183.1	3 949.6	114.0	220.3	2 048.8	7 650.2	15 392.2	23 459.3	544.3	98	111	95	18 701.6
1982 ...	4 168	1 248	196.9	4 009.9	121.4	233.6	2 065.1	8 143.0	14 999.7	23 116.1	841.3	1.03	120	97	19 094.1
1977 ...	[illegible]	1 067	164.4	2 050.9	110.4	214.3	1 164.3	4 662.3	8 048.4	12 564.5	485.8	84	100	100	19 590.1
1972 ...	3 042	897	142.7	1 187.9	95.7	186.1	659.0	2 270.1	3 132.0	5 348.1	223.8	75	87	97	19 028.7
1967 ...	2 611	745	117.7	764.2	78.7	157.8	423.0	1 346.2	1 962.7	3 292.3	80.9	61	72	99	19 322.9
OREGON															
1983 ...	(NA)	(NA)	186.1	3 980.0	132.3	247.1	2 512.3	[illegible]	10 748.3	19 064.1	489.9	1.00	92	95	18 701.6
1982 ...	5 659	1 443	185.1	3 783.2	129.6	237.9	2 333.7	7 973.0	9 883.4	17 897.3	644.0	.97	91	97	19 094.1
1977 ...	5 716	1 580	202.4	2 760.0	155.1	291.6	1 901.7	6 138.0	8 317.0	14 370.0	574.5	1.03	100	100	19 590.1
1972 ...	4 670	1 461	178.6	1 527.3	141.5	271.3	1 170.0	3 489.9	4 104.3	7 571.2	267.3	.94	88	97	19 028.7
1967 ...	4 437	1 275	163.1	1 022.5	131.2	254.8	798.2	2 060.5	2 552.2	4 612.2	234.2	.84	81	99	19 322.9
PENNSYLVANIA															
1983 ...	(NA)	(NA)	1 113.0	22 760.4	732.9	1 385.6	12 518.0	47 508.9	55 889.6	103 760.5	2 998.3	5.95	84	95	18 701.6
1982 ...	17 66[illegible]	7 497	1 180.0	23 31[illegible]	772.2	1 435.9	12 855.6	44 824.1	56 542.0	102 939.9	3 390.9	6.17	89	97	19 094.1
1977 ...	18 735	7 704	1 329.2	18 042.7	934.1	1 781.6	10 948.8	36 016.9	44 393.0	79 844.8	2 297.4	6.78	100	100	19 590.1
1972 ...	18 398	8 070	1 417.5	12 794.1	1 015.0	1 953.9	7 885.7	23 518.5	25 160.6	48 344.8	1 479.3	7.45	107	97	19 028.7
1967 ...	18 771	8 369	1 549.5	10 349.7	1 136.2	2 211.3	6 488.7	19 276.8	19 574.0	38 590.5	1 633.4	8.02	117	99	19 322.9
RHODE ISLAND															
1983 ...	(NA)	(NA)	114.5	1 859.4	84.9	163.8	1 130.3	4 043.1	4 134.7	8 222.7	189.4	61	92	95	18 701.6
1982 ...	2 855	940	113.8	1 759.5	[illegible]	157.4	1 051.9	3 792.7	3 833.2	7 651.7	183.8	60	91	97	19 094.1
1977 ...	3 107	945	125.0	1 326.5	94.7	177.5	825.2	2 736.6	2 673.5	5 364.6	145.6	64	100	100	19 590.1
1972 ...	2 756	904	118.1	888.2	91.4	174.2	565.9	1 764.4	1 479.3	3 218.6	100.5	62	94	97	19 028.7
1967 ...	2 703	922	122.3	700.4	96.6	188.5	466.9	1 350.9	1 228.1	2 560.5	74.8	63	98	99	19 322.9
SOUTH CAROLINA															
1983 ...	(NA)	(NA)	361.3	6 005.9	275.4	544.4	3 930.9	12 459.8	17 432.2	30 849.4	1 859.9	1.93	97	95	18 701.6
1982 ...	4 206	1 723	367.5	5 539.5	279.4	522.2	3 576.4	12 218.7	15 500.1	27 835.8	1 503.0	1.92	98	97	19 094.1
1977 ...	4 229	1 560	374.2	3 804.9	299.8	594.0	2 640.3	8 186.1	10 855.2	18 882.4	788.6	1.91	100	100	19 590.1
1972 ...	3 719	1 441	345.1	2 344.5	282.7	581.6	1 679.4	4 965.6	5 795.3	10 721.1	506.8	1.81	92	97	19 028.7
1967 ...	3 465	1 251	304.3	1 502.2	253.8	523.0	1 106.6	3 030.3	3 448.5	6 440.7	416.6	1.57	81	99	19 322.9
SOUTH DAKOTA															
1983 ...	(NA)	(NA)	25.9	413.5	19.1	36.0	266.0	1 263.1	1 886.9	3 152.0	83.5	14	115	95	18 701.6
1982 ...	748	205	24.5	397.9	17.5	32.6	261.9	1 100.2	1 905.1	3 005.2	62.3	13	109	97	19 094.1
1977 ...	[illegible]	195	22.5	251.4	16.7	32.0	169.1	611.6	1 184.7	1 793.7	36.7	[illegible]	100	100	19 590.1
1972 ...	[illegible]	171	17.4	134.5	12.9	25.1	89.4	284.5	658.2	936.6	20.1	09	77	97	19 028.7
1967 ...	[illegible]	137	15.5	92.5	11.4	22.4	61.7	171.5	494.5	663.3	8.2	08	69	99	19 322.9
TENNESSEE															
1983 ...	(NA)	(NA)	457.4	7 793.6	336.6	646.1	4 899.7	19 868.3	24 420.9	44 185.3	1 219.0	2.45	33	95	18 701.6
1982 ...	5 417	2 617	461.6	7 377.7	337.5	629.8	4 602.9	17 822.0	22 634.9	40 776.5	2 051.5	2.41	94	97	19 094.1
1977 ...	6 487	2 477	489.8	5 218.7	375.7	720.3	3 481.2	12 663.4	16 318.9	28 752.0	961.1	2.50	100	100	19 590.1
1972 ...	5 647	2 291	467.4	3 351.7	367.0	725.3	2 295.1	7 662.0	8 635.7	16 129.3	540.0	2.46	95	97	19 028.7
1967 ...	5 040	2 022	416.0	2 190.0	333.6	654.7	1 512.2	4 921.1	5 848.0	10 700.1	412.4	2.16	85	99	19 322.9

See footnotes at end of table.

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Table 1. Historical Statistics for the United States and States: 1983 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year[1]	Establishments[2]		All employees[2]		Production workers			Value added by manufacture[3] (million dollars)	Cost of materials[4] (million dollars)	Value of shipments[4] (million dollars)	New capital expenditures (million dollars)	Comparative indexes and U.S. employment			
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					Percent of U.S. manufacturing employment	Index of State manufacturing employment change (1977 = 100)	Index of U.S. manufacturing employment change (1977 = 100)	U.S. manufacturing employment (1,000)
TEXAS															
1983 ...	(NA)	(NA)	990.3	21 293.0	615.2	1 204.0	10 793.8	51 736.9	113 283.3	166 522.1	5 429.4	5.30	112	95	18 701.6
1982 ...	20 288	7 006	1 058.5	21 434.9	669.5	1 306.0	11 232.8	53 357.8	117 599.8	171 674.3	8 193.2	5.54	119	97	19 094.1
1977 ...	18 107	5 644	886.4	11 653.1	600.7	1 190.1	6 626.4	33 080.9	60 395.8	92 735.7	5 194.7	4.52	100	100	19 590.1
1972 ...	14 422	4 790	736.1	6 344.6	516.6	1 030.5	3 763.3	15 228.0	21 355.5	36 647.9	1 345.7	3.87	83	97	19 028.7
1967 ...	12 722	4 039	657.5	4 340.4	466.4	958.5	2 617.0	10 922.4	15 7[illegible]	26 498.1	1 408.8	3.40	74	99	19 322.9
UTAH															
1983 ...	(NA)	(NA)	82.7	1 591.9	54.4	105.2	860.2	3 677.2	5 479.5	9 367.5	277.7	.44	118	95	18 701.6
1982 ...	1 962	579	83.2	1 538.8	54.2	103.0	837.0	3 455.1	5 423.4	8 960.0	327.6	.43	119	97	19 094.1
1977 ...	1 748	494	70.2	867.2	48.8	92.3	522.3	1 974.0	3 172.9	5 092.8	393.6	.36	100	100	19 590.1
1972 ...	1 358	430	56.6	486.2	38.8	73.7	286.9	1 068.7	1 584.9	2 632.0	67.9	.30	81	97	19 028.7
1967 ...	1 124	353	47.0	314.9	31.7	62.3	182.7	777.9	911.2	1 672.8	59.2	.24	67	99	19 322.9
VERMONT															
1983 ...	(NA)	(NA)	44.3	875.4	28.2	54.3	429.7	2 063.0	1 686.1	3 714.6	242.6	.24	107	95	18 701.6
1982 ...	1 104	310	46.8	862.7	30.0	56.2	433.8	2 036.8	1 682.6	3 730.4	270.9	.24	[illegible]	97	19 094.1
1977 ...	1 030	298	41.5	498.0	28.7	55.9	270.1	1 050.1	1 175.9	2 189.3	93.0	.21	100	100	19 590.1
1972 ...	860	274	36.9	311.4	26.1	52.2	176.3	576.0	639.2	1 229.2	36.8	.19	89	97	19 028.7
1967 ...	925	281	42.5	259.1	31.3	64.6	162.4	515.0	622.0	1 126.9	35.1	.22	102	99	19 322.9
VIRGINIA															
1983 ...	(NA)	(NA)	403.2	7 267.9	297.1	566.3	4 589.9	18 689.3	21 137.9	39 686.4	1 072.0	2.16	102	95	18 701.6
1982 ...	5 568	2 036	391.1	6 649.0	287.4	541.1	4 191.7	17 255.6	19 662.3	36 802.7	1 522.9	2.04	99	97	19 094.1
1977 ...	5 519	1 879	395.2	4 442.4	302.0	581.8	2 916.8	10 862.0	13 233.5	23 988.6	[illegible]	2.02	100	100	19 590.1
1972 ...	4 837	1 768	375.4	2 826.0	293.2	582.9	1 902.1	6 177.5	6 716.7	12 823.5	585.6	1.97	95	97	19 028.7
1967 ...	4 938	1 620	339.8	1 905.1	268.2	535.0	1 296.1	4 067.7	4 543.0	8 605.8	347.0	1.76	86	99	19 322.9
WASHINGTON															
1983 ...	(NA)	(NA)	274.9	6 689.6	171.6	316.6	3 591.1	12 881.7	22 973.3	37 764.1	1 015.2	1.47	104	95	18 701.6
1982 ...	6 788	1 707	291.4	6 680.6	177.6	327.0	3 624.3	12 595.5	2[illegible] 225.6	34 665.1	1 074.3	1.53	110	97	19 094.1
1977 ...	6 723	1 712	265.0	4 054.3	180.7	338.2	2 385.0	8 955.0	12 921.4	21 746.9	[illegible]	1.35	100	100	19 530.1
1972 ...	5 345	1 463	226.0	2 308.4	159.8	303.3	1 410.9	4 721.4	5 930.1	10 615.7	353.7	1.19	85	97	19 028.7
1967 ...	5 014	1 375	270.7	2 119.0	177.7	344.6	1 179.8	3 764.2	4 777.5	8 503.0	464.7	1.40	102	99	19 322.9
WEST VIRGINIA															
1983 ...	(NA)	(NA)	89.1	1 934.0	61.1	113.9	1 201.1	4 138.7	5 888.9	10 063.0	517.0	.48	76	95	18 701.6
1982 ...	1 662	559	95.8	2 007.0	65.2	121.5	1 233.0	4 049.2	5 761.0	9 868.8	393.7	.50	82	97	19 094.1
1977 ...	1 857	583	117.0	1 620.5	89.2	170.9	1 124.3	3 880.2	4 881.5	8 705.9	402.3	.60	100	100	19 590.1
1972 ...	1 733	606	120.8	1 097.6	92.7	181.8	765.4	2 646.7	2 389.3	5 021.9	216.0	.63	103	97	19 028.7
1967 ...	1 844	563	124.0	831.6	96.7	189.9	587.3	2 169.5	1 899.8	4 046.5	269.0	.64	106	99	19 322.9
WISCONSIN															
1983 ...	(NA)	(NA)	477.4	10 325.5	319.9	612.2	6 158.7	23 420.8	31 662.6	55 191.5	1 385.5	2.55	89	95	18 701.6
1982 ...	8 682	3 197	496.7	10 197.1	328.7	621.0	5 990.3	22 545.6	29 487.4	52 447.8	1 547.2	2.60	93	97	19 094.1
1977 ...	8 678	3 163	535.0	7 317.8	381.0	745.4	4 697.1	16 606.0	22 362.9	38 725.3	1 184.4	2.73	100	100	19 590.1
1972 ...	7 845	2 861	500.5	4 722.3	360.5	720.5	2 062.7	9 443.3	11 970.1	21 245.5	535.3	2.63	94	97	19 028.7
1967 ...	7 838	2 727	512.2	3 577.8	374.5	754.8	2 332.8	7 014.1	8 511.3	15 452.1	506.6	2.65	96	99	19 322.9
WYOMING															
1983 ...	(NA)	(NA)	8.9	167.0	6.1	12.4	102.3	308.4	1 862.9	2 158.1	44.0	.05	105	95	18 701.6
1982 ...	511	115	9.9	183.3	6.8	13.2	115.3	407.7	2 082.5	2 558.4	49.8	.05	116	97	19 094.1
1977 ...	505	102	8.5	110.9	6.2	12.1	73.9	380.8	919.2	1 287.8	36.2	.04	100	100	19 590.1
1972 ...	377	78	7.0	56.9	5.1	10.1	39.2	143.9	312.3	451.0	23.4	.04	82	97	19 028.7
1967 ...	331	65	5.9	37.1	4.2	8.1	23.4	86.2	192.2	280.2	7.6	.03	70	99	19 322.9

[1] Data for years 1967, 1972, 1977, and 1982 are from the census of manufactures. Data for annual survey of manufactures (ASM) years are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments.

For intercensal data for the years between 1963 and 1978, see the 1978-1979 Annual Survey of Manufactures (ASM) clothbound volume. For data prior to 1967, see 1967 Census of Manufactures, Volume III, table 2 of the State chapter.

[2] Includes auxiliaries (see appendix for definition).

[3] Effective with the 1982 Economic Censuses, uniform instructions for reporting inventories were introduced for all sector reports. Up to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). In 1982, all respondents were asked to first report inventory values prior to LIFO adjustment and then to report LIFO reserve and LIFO value after adjustment for reserve. Because of this change in reporting instructions, 1982 and 1983 value added by manufacture included in tables of this report are not comparable to prior year data shown above and in historical census of manufactures and ASM publications.

[4] Aggregate of cost of materials and value of shipments includes extensive duplication, since products of some industries are used as materials by others.

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
U.S.	**United States**	**18 701.6**	**394 829.0**	**12 188.5**	**23 599.2**	**212 265.7**	**882 138.8**	**1 170 237.7**	**2 054 975.2**	**61 920.3**	**307 999.9**
Ala.	**Alabama**	**333.1**	**5 570.5**	**259.8**	**503.7**	**3 848.8**	**13 838.6**	**19 255.9**	**32 841.6**	**1 619.6**	**4 710.3**
20	**Food and kindred products**	**25.5**	**355.1**	**17.3**	**33.1**	**201.6**	**936.2**	**2 513.7**	**3 445.4**	**57.1**	**242.7**
201	Meat products	10.4	115.8	9.2	17.3	93.6	158.8	608.5	965.6	12.6	27.7
205	Bakery products	3.2	63.4	1.6	3.5	28.5	161.3	117.6	279.1	(D)	7.3
208	Beverages	2.7	44.2	.8	1.6	11.3	185.6	209.4	396.5	15.0	13.7
209	Miscellaneous foods and kindred products	2.9	33.0	2.0	3.1	17.6	92.5	167.0	260.1	7.2	20.8
22	**Textile mill products**	**32.0**	**445.0**	**28.4**	**56.1**	**372.4**	**1 034.8**	**1 372.5**	**2 403.2**	**89.5**	**329.3**
221	Weaving mills, cotton	8.2	112.8	7.5	14.6	98.1	236.3	248.5	480.4	36.0	99.0
222	Weaving mills, synthetics	6.9	101.8	6.0	12.4	83.9	206.8	216.6	421.0	14.1	54.3
225	Knitting mills	5.5	63.6	4.9	9.4	52.7	108.5	178.6	289.0	5.6	26.3
228	Yarn and thread mills	6.2	92.7	5.7	11.1	80.5	199.3	306.0	509.0	23.8	60.1
23	**Apparel and other textile products**	**58.2**	**548.2**	**51.7**	**92.9**	**441.0**	**1 140.5**	**1 047.8**	**2 112.2**	**29.2**	**341.8**
232	Men's and boys' furnishings	29.0	265.4	25.8	47.2	216.6	481.6	425.5	894.3	10.8	128.5
233	Women's and misses' outerwear	10.5	88.2	9.4	15.6	69.4	135.2	45.5	178.4	9.0	15.5
234	Women's and children's undergarments	8.1	83.6	7.1	12.9	67.5	167.1	187.2	353.3	(D)	46.5
236	Children's outerwear	3.5	35.0	3.0	5.1	25.5	85.6	49.6	134.3	(D)	13.9
239	Miscellaneous fabricated textile products	4.4	51.3	3.8	7.5	41.6	228.4	327.0	494.9	1.0	129.5
24	**Lumber and wood products**	**27.0**	**341.3**	**23.0**	**44.1**	**258.4**	**715.1**	**1 338.3**	**2 037.6**	**41.4**	**221.3**
241	Logging camps and logging contractors	5.3	54.2	4.7	8.2	45.4	103.5	286.9	391.2	6.5	32.9
242	Sawmills and planing mills	7.7	96.9	6.8	12.8	76.3	190.3	375.1	555.3	17.2	86.1
243	Millwork, plywood, and structural members	6.0	82.5	5.0	10.9	63.1	199.2	281.0	476.0	9.3	47.3
245	Wood buildings and mobile homes	5.3	75.2	4.2	7.8	50.4	151.1	249.5	399.1	4.1	26.9
25	**Furniture and fixtures**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
251	Household furniture	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
26	**Paper and allied products**	**19.5**	**546.3**	**15.3**	**33.0**	**409.3**	**2 040.2**	**1 945.4**	**3 987.7**	**316.5**	**285.4**
262	Paper mills, except building paper	10.1	311.1	7.8	17.0	235.7	1 033.8	865.9	1 905.1	(D)	129.8
263	Paperboard mills	4.0	115.8	3.0	6.8	83.7	376.0	490.6	864.8	68.2	63.1
264	Miscellaneous converted paper products	2.8	60.8	2.3	4.6	44.6	465.0	324.3	787.1	16.5	56.3
27	**Printing and publishing**	**10.0**	**154.5**	**5.9**	**10.6**	**79.0**	**407.7**	**315.1**	**716.4**	**16.8**	**66.8**
271	Newspapers	4.0	59.7	1.6	2.9	21.2	158.4	50.0	210.1	(D)	6.0
275	Commercial printing	3.9	59.1	3.1	5.5	41.5	113.8	107.0	221.3	9.4	18.1
28	**Chemicals and allied products**	**13.0**	**322.7**	**8.1**	**16.9**	**185.7**	**1 319.9**	**1 698.6**	**2 999.1**	**81.4**	**467.4**
282	Plastics materials and synthetics	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
286	Industrial organic chemicals	2.9	78.8	1.8	3.8	45.3	321.3	455.9	766.4	16.8	179.3
30	**Rubber and miscellaneous plastics products**	**14.9**	**357.4**	**12.2**	**24.6**	**279.6**	**1 100.1**	**863.0**	**1 971.3**	**37.0**	**183.4**
301	Tires and inner tubes	9.6	274.6	8.1	16.3	221.3	851.5	603.6	1 468.9	27.6	107.4
307	Miscellaneous plastics products	4.2	67.0	3.4	6.8	48.5	198.1	225.7	421.4	8.2	65.4
32	**Stone, clay, and glass products**	**9.1**	**165.4**	**7.2**	**14.6**	**115.8**	**369.9**	**404.4**	**764.7**	**(D)**	**132.7**
327	Concrete, gypsum, and plaster products	3.7	56.6	2.9	6.2	35.1	120.4	148.5	252.4	11.1	26.5
33	**Primary metal industries**	**22.5**	**531.7**	**17.7**	**35.8**	**394.0**	**678.3**	**2 507.8**	**3 168.4**	**694.9**	**806.3**
331	Blast furnace and basic steel products	5.3	139.0	4.0	8.3	97.9	82.5	539.8	611.3	654.2	254.9
332	Iron and steel foundries	8.6	160.5	6.9	13.9	113.2	280.2	340.1	615.7	16.8	131.3
335	Nonferrous rolling and drawing	5.5	157.3	4.5	9.0	124.5	258.8	1 035.9	1 253.0	17.3	295.7
34	**Fabricated metal products**	**21.7**	**382.7**	**16.3**	**31.6**	**247.9**	**898.7**	**989.8**	**1 878.1**	**35.8**	**347.3**
344	Fabricated structural metal products	9.0	167.8	6.5	12.9	102.0	353.8	520.2	877.3	9.2	126.2
349	Miscellaneous fabricated metal products	5.6	95.2	4.1	7.4	60.2	256.8	182.7	432.8	8.8	115.6
35	**Machinery, except electrical**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
353	Construction and related machinery	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
357	Office and computing machines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
358	Refrigeration and service machinery	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
359	Miscellaneous machinery, except electrical	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36	**Electric and electronic equipment**	**16.8**	**272.0**	**12.7**	**24.7**	**160.7**	**804.5**	**525.1**	**1 272.3**	**62.6**	**356.1**
366	Communication equipment	5.1	88.8	3.2	6.5	33.3	295.1	86.2	329.6	22.6	181.8
367	Electronic components and accessories	4.4	66.4	3.4	6.2	39.7	169.2	153.4	318.3	(D)	57.8
37	**Transportation equipment**	**20.3**	**455.7**	**15.2**	**30.6**	**327.7**	**906.3**	**979.3**	**1 865.4**	**45.9**	**277.7**
371	Motor vehicles and equipment	8.8	211.8	6.7	14.4	151.1	495.2	615.8	1 099.6	21.7	150.0
372	Aircraft and parts	4.5	92.7	2.9	5.4	61.7	118.7	97.7	207.6	6.9	70.8
373	Ship and boat building and repairing	3.1	51.7	2.6	4.8	39.9	102.8	86.6	189.2	9.5	36.3
376	Guided missiles, space vehicles, parts	3.5	92.6	2.7	5.4	70.6	176.7	158.2	335.4	7.9	13.4
38	**Instruments and related products**	**2.5**	**39.0**	**1.8**	**3.3**	**22.9**	**108.6**	**91.3**	**199.7**	**3.3**	**42.2**
39	**Miscellaneous manufacturing industries**	**5.4**	**77.9**	**4.3**	**7.1**	**50.8**	**177.4**	**216.5**	**389.2**	**13.8**	**66.8**
394	Toys and sporting goods	2.9	42.5	2.3	4.7	30.1	101.5	139.7	237.2	8.2	44.5
—	**Auxiliaries**[2]	**4.5**	**110.7**	-	-	-	-	-	-	-	-

See footnotes at end of table.

1982

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1] –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
19 094.1	379 626.5	12 400.6	23 538.3	204 787.2	824 117.7	1 130 142.7	1 960 205.8	74 561.5	1	1	1	U.S.
329.6	5 234.4	253.6	479.8	3 598.3	12 045.7	17 535.5	29 794.3	1 540.2	1	1	2	Ala.
24.9	337.4	16.8	32.2	189.9	845.0	2 458.2	3 270.4	43.2	1	2	9	20
10.4	112.0	9.1	17.0	88.7	174.8	832.3	1 012.9	9.2	1	8	30	201
3.3	60.6	1.7	3.4	27.1	173.5	115.3	288.2	(D)	1	1	(X)	205
2.3	36.9	.7	1.4	9.5	134.8	180.4	315.3	8.9	2	4	8	208
2.7	32.5	1.9	3.3	16.7	80.0	189.9	269.5	9.4	5	3	24	209
31.6	382.0	27.9	52.5	318.4	837.4	1 [illegible]2.3	2 044.5	115.2	3	3	4	22
7.7	94.0	6.9	12.9	81.3	179.9	192.0	376.5	37.8	1	1	3	221
6.7	84.0	5.8	11.1	68.9	154.8	183.5	347.0	35.1	3	3	7	222
4.9	47.8	4.4	8.0	39.4	95.3	164.2	251.0	7.6	11	18	29	225
6.8	84.0	6.1	11.9	75.1	142.8	282.8	434.3	23.8	10	4	7	228
56.6	515.1	50.4	88.9	425.2	989.8	941.8	1 954.7	44.1	3	2	17	23
28.1	254.1	25.7	45.9	216.2	401.2	388.3	811.0	25.0	2	1	6	232
9.2	76.6	8.1	13.7	63.9	121.5	61.9	182.3	3.0	12	13	55	233
8.1	76.4	6.7	12.4	60.5	163.3	156.8	320.6	(D)	1	1	(X)	234
3.7	35.8	3.1	5.2	26.1	88.0	44.4	132.1	(D)	1	1	(X)	236
4.4	46.1	3.8	6.7	36.8	165.9	267.7	435.9	4.1	1	4	14	239
22.6	276.4	19.0	35.8	208.1	533.5	1 040.8	1 575.1	53.7	4	6	15	24
5.0	50.8	4.3	7.6	42.9	108.0	245.3	356.3	13.3	2	13	61	241
6.6	80.4	5.8	11.3	63.4	144.7	283.3	424.7	21.7	6	10	24	242
4.2	58.9	3.5	7.0	43.0	117.3	208.2	325.4	12.0	14	14	18	243
4.1	55.4	3.3	5.9	30.8	92.7	174.8	267.9	2.5	6	16	16	245
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	25
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	251
18.8	487.7	14.8	31.5	364.6	1 704.9	1 788.2	3 477.8	574.8	1	1	1	26
9.7	277.4	7.6	16.0	210.9	867.7	808.2	1 663.3	(D)	1	1	(X)	262
3.9	104.9	2.9	6.5	74.9	318.4	440.6	758.6	222.4	1	1	1	263
2.3	50.3	2.0	4.1	37.6	380.4	291.0	672.8	10.4	1	1	3	264
9.6	136.7	5.5	10.1	71.4	379.6	256.9	635.0	60.4	2	4	28	27
3.9	52.8	1.6	2.7	19.6	139.7	48.6	188.3	(D)	2	5	(X)	271
3.9	54.6	2.3	5.4	38.4	123.2	85.1	207.9	15.1	3	7	48	275
13.8	323.2	8.6	17.2	184.1	992.9	1 631.1	2 686.0	166.8	1	4	5	28
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	282
3.0	76.3	1.9	3.9	42.6	221.7	447.3	696.6	32.6	1	3	7	286
14.9	317.5	12.3	22.9	245.5	980.7	759.4	1 742.3	37.4	1	1	3	30
9.6	240.5	8.0	14.7	191.4	721.1	556.2	1 283.5	23.7	1	1	1	301
4.4	64.3	3.6	6.9	45.5	212.5	182.2	391.2	12.8	2	1	12	307
8.2	137.3	6.3	12.2	99.5	319.8	339.8	659.7	(D)	7	8	(X)	32
2.9	37.0	2.1	4.0	25.1	63.3	103.8	187.8	5.3	17	20	55	327
26.6	596.7	20.3	36.4	437.1	866.1	2 357.0	3 356.0	86.7	2	3	1	33
8.3	205.2	5.8	9.4	146.3	297.2	541.7	927.9	25.4	3	13	1	331
9.0	152.2	7.3	13.5	111.0	291.9	343.9	627.5	34.7	4	5	9	332
5.5	150.2	4.4	8.2	116.0	251.4	862.3	1 151.9	14.6	1	1	1	335
23.0	388.0	17.0	32.4	251.0	837.3	975.7	1 837.8	35.1	2	4	7	34
10.3	178.8	7.3	14.2	109.2	376.4	515.9	900.6	12.2	4	3	20	344
5.4	94.6	3.9	7.2	59.7	179.3	184.5	374.9	12.6	4	13	8	349
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	35
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	353
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	357
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	358
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	359
18.5	277.7	13.9	28.0	176.2	728.2	659.4	1 339.0	61.4	4	3	10	36
6.6	95.9	4.6	9.5	57.7	258.3	206.3	427.0	17.6	8	6	26	366
4.7	68.4	3.7	7.8	41.6	193.7	158.1	340.8	(D)	1	1	(X)	367
21.0	426.4	15.9	31.4	301.6	833.1	770.7	1 598.8	86.3	2	4	8	37
7.6	156.2	5.6	11.0	104.5	344.0	445.5	789.0	64.2	4	6	10	371
4.7	95.3	3.2	6.5	63.9	160.4	61.3	219.8	9.6	1	5	43	372
5.4	91.9	4.7	8.9	76.0	164.5	136.5	300.6	4.6	1	1	1	373
3.0	76.1	2.2	4.5	52.7	151.2	106.4	255.7	7.2	3	4	4	376
2.9	41.3	2.0	3.8	24.9	114.2	114.7	230.2	14.0	2	2	4	38
4.6	62.6	3.6	6.8	40.5	141.7	161.0	300.6	9.0	7	6	25	39
2.5	36.2	2.0	4.0	24.5	82.8	99.2	179.7	6.0	2	2	19	394
5.0	103.5	-	-	-	-	-	-	-	1	(X)	(X)	—

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-(ye ve tor- (millic dollar
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	
Alaska	**Alaska**	**10.9**	**265.0**	**8.3**	**16.7**	**194.6**	**805.9**	**1 724.8**	**2 546.2**	**34.6**	**308**
20	**Food and kindred products**	**4.9**	**84.6**	**4.0**	**8.0**	**63.8**	**203.8**	**448.2**	**649.0**	**6.4**	**118**
209	Miscellaneous foods and kindred products	4.3	74.5	3.7	6.9	54.5	174.6	424.1	598.0	6.1	115
Ariz.	**Arizona**	**145.8**	**3 170.4**	**81.8**	**155.8**	**1 397.5**	**7 045.4**	**6 870.8**	**13 967.3**	**720.6**	**2 398**
20	**Food and kindred products**	**5.8**	**94.3**	**3.5**	**6.8**	**47.4**	**318.7**	**673.6**	**994.1**	**11.0**	**52**
23	**Apparel and other textile products**	**3.3**	**38.1**	**2.9**	**4.5**	**34.0**	**50.7**	**80.6**	**146.4**	**1.6**	**16**
24	**Lumber and wood products**	**5.1**	**79.3**	**4.1**	**8.3**	**57.4**	**81.4**	**328.4**	**404.0**	**3.3**	**51**
27	**Printing and publishing**	**11.3**	**201.5**	**5.7**	**12.7**	**96.6**	**466.6**	**223.7**	**685.2**	**33.9**	**44**
271	Newspapers	5.7	98.0	1.9	3.2	32.2	225.9	88.4	314.3	19.9	12
275	Commercial printing	3.9	71.3	2.8	7.3	46.4	136.6	89.5	230.6	6.1	16
28	**Chemicals and allied products**	**2.8**	**49.0**	**1.8**	**3.4**	**29.7**	**302.8**	**214.6**	**518.0**	**8.9**	**83**
30	**Rubber and miscellaneous plastics products**	**3.2**	**48.9**	**2.5**	**4.7**	**30.2**	**105.5**	**121.2**	**226.4**	**7.3**	**33**
307	Miscellaneous plastics products	2.7	40.8	2.1	4.0	25.7	89.9	107.2	197.5	6.3	26
32	**Stone, clay, and glass products**	**6.0**	**107.0**	**3.9**	**6.6**	**63.0**	**261.5**	**265.2**	**526.0**	**26.0**	**51.**
327	Concrete, gypsum, and plaster products	4.5	75.8	2.7	4.5	41.0	166.2	177.4	340.8	12.8	23
33	**Primary metal industries**	**6.9**	**176.7**	**5.1**	**9.7**	**122.4**	**502.9**	**1 254.1**	**1 803.6**	**155.4**	**262.**
333	Primary nonferrous metals	2.6	82.2	1.9	4.2	57.5	250.7	893.1	1 159.6	(D)	198
335	Nonferrous rolling and drawing	2.9	69.3	2.1	3.4	48.4	208.9	310.5	547.7	10.1	38
34	**Fabricated metal products**	**7.4**	**115.9**	**5.4**	**10.4**	**73.0**	**241.2**	**267.4**	**513.3**	**13.6**	**84.**
344	Fabricated structural metal products	4.2	66.7	2.8	5.6	37.8	123.4	160.5	288.2	7.9	55.
35	**Machinery, except electrical**	**22.3**	**552.7**	**9.6**	**18.9**	**175.3**	**1 343.8**	**1 216.1**	**2 609.4**	**135.6**	**542.**
357	Office and computing machines	14.9	410.4	3.9	7.8	77.7	1 070.9	1 024.6	2 148.2	(D)	446.
359	Miscellaneous machinery, except electrical	2.7	47.0	2.3	4.3	35.4	99.9	23.9	114.5	(D)	13.
36	**Electric and electronic equipment**	**37.1**	**861.8**	**18.7**	**32.3**	**280.7**	**1 792.4**	**655.6**	**2 380.3**	**258.5**	**467.**
366	Communication equipment	11.5	301.2	4.9	9.3	99.9	638.2	204.7	797.3	(D)	206.
367	Electronic components and accessories	23.9	531.0	12.7	20.7	165.5	1 076.8	406.5	1 462.6	206.6	237.
37	**Transportation equipment**	**17.2**	**485.3**	**10.8**	**22.6**	**282.6**	**1 075.7**	**1 084.3**	**2 150.1**	**35.0**	**550.**
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D
38	**Instruments and related products**	**6.4**	**129.1**	**2.3**	**4.3**	**30.7**	**255.7**	**123.1**	**386.5**	**22.9**	**104.**
382	Measuring and controlling devices	2.6	65.5	.4	.6	9.3	99.1	63.7	159.7	5.6	45.
39	**Miscellaneous manufacturing industries**	**2.7**	**39.6**	**2.1**	**3.8**	**25.3**	**86.3**	**93.5**	**185.5**	**3.9**	**25.**
—	**Auxiliaries[2]**	**4.0**	**118.1**	-	-	-	-	-	-	-	
Ark.	**Arkansas**	**190.8**	**3 020.8**	**149.4**	**291.1**	**2 089.8**	**8 077.5**	**12 643.5**	**20 806.3**	**487.6**	**3 040.**
20	**Food and kindred products**	**31.4**	**394.9**	**25.0**	**48.7**	**277.2**	**1 228.3**	**3 788.6**	**5 020.3**	**54.8**	**588.**
201	Meat products	16.6	176.0	15.2	29.1	147.6	407.6	1 269.9	1 678.7	25.7	47.
203	Preserved fruits and vegetables	3.9	50.9	3.4	6.6	41.5	181.5	293.6	486.2	5.6	68.
204	Grain mill products	3.1	43.7	2.1	4.4	26.2	220.5	1 102.4	1 333.1	6.3	217.
22	**Textile mill products**	**3.6**	**48.6**	**3.0**	**5.8**	**35.7**	**156.9**	**180.0**	**351.7**	**(D)**	**48.**
23	**Apparel and other textile products**	**10.0**	**83.6**	**8.2**	**15.3**	**62.1**	**188.6**	**124.3**	**315.1**	**4.0**	**35.**
232	Men's and boys' furnishings	6.2	49.9	4.9	8.7	36.3	119.6	61.7	182.8	3.1	19.
24	**Lumber and wood products**	**16.2**	**232.9**	**14.0**	**28.6**	**188.6**	**488.0**	**947.8**	**1 426.9**	**39.3**	**148.**
241	Logging camps and logging contractors	2.6	30.9	2.3	3.9	24.7	77.6	191.4	270.3	4.5	15.
242	Sawmills and planing mills	6.7	106.8	5.9	13.2	89.4	218.5	384	612.5	21.4	78.
243	Millwork, plywood, and structural members	3.4	53.3	2.9	5.8	43.8	93.3	208.7	302.5	9.2	20.
25	**Furniture and fixtures**	**8.4**	**110.1**	**7.0**	**13.4**	**79.1**	**234.8**	**226.9**	**457.3**	**3.7**	**180.**
251	Household furniture	5.0	60.0	4.4	8.1	46.2	110.4	127.6	235.6	1.3	55.
26	**Paper and allied products**	**11.4**	**277.2**	**9.3**	**19.1**	**215.3**	**851.3**	**1 282.1**	**2 124.5**	**100.0**	**178.**
263	Paperboard mills	3.0	92.4	2.4	5.0	74.0	263.2	426.8	690.2	34.2	34.
264	Miscellaneous converted paper products	3.6	64.4	3.1	6.1	49.7	302.0	395.6	688.8	43.0	59.
265	Paperboard containers and boxes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D
27	**Printing and publishing**	**10.2**	**138.0**	**7.0**	**12.6**	**83.4**	**461.1**	**211.2**	**638.3**	**21.8**	**101.**
271	Newspapers	3.5	43.0	1.7	3.2	17.5	95.4	34.6	130.1	7.0	5.
275	Commercial printing	2.6	40.9	2.0	3.6	26.9	79.4	78.3	157.7	8.4	11.
28	**Chemicals and allied products**	**7.9**	**174.0**	**5.9**	**11.2**	**114.5**	**510.5**	**587.3**	**1 120.1**	**59.1**	**198.**
30	**Rubber and miscellaneous plastics products**	**8.2**	**141.7**	**6.7**	**12.8**	**108.4**	**462.0**	**370.8**	**836.3**	**18.4**	**110.**
307	Miscellaneous plastics products	4.0	57.6	3.3	6.3	43.9	200.2	158.0	358.6	7.0	32.
31	**Leather and leather products**	**6.2**	**62.9**	**5.5**	**9.3**	**49.3**	**124.6**	**105.4**	**225.3**	**(D)**	**30.**
314	Footwear, except rubber	5.5	55.5	4.9	8.4	44.3	106.6	94.0	196.1	1.4	26.

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982												
All employees		Production workers							Standard error of estimate (percent) for column¹ —			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
K	L	M	N	O	P	Q	R	S	A	F	I	
12.8	[illegible]	10.0	18.3	196.6	709.2	1 805.8	2 579.9	58.5	12	4	18	**Alaska**
5.4	86.2	4.8	8.1	68.5	185.4	478.2	662.1	15.5	8	11	25	**20**
5.1	79.3	4.7	7.8	66.0	168.0	456.8	623.2	14.7	8	12	26	209
149.8	3 036.9	86.7	165.2	1 423.4	6 162.4	6 726.3	12 907.2	765.2	2	2	2	**Ariz.**
6.6	106.7	3.8	7.5	54.3	348.8	730.6	1 086.8	21.5	5	4	32	**20**
5.7	51.6	4.8	8.6	40.0	105.4	111.0	219.2	2.9	34	63	39	**23**
4.5	67.2	3.6	6.9	47.8	122.6	190.2	316.2	28.7	2	52	19	**24**
10.8	174.6	5.8	10.6	85.4	387.0	214.2	600.8	43.3	3	5	21	**27**
5.2	89.4	1.7	3.0	29.6	199.3	85.8	285.1	27.6	3	1	2	271
3.7	54.7	2.8	5.2	38.8	111.3	84.3	195.3	11.9	3	11	45	275
2.6	42.6	1.7	3.1	24.6	181.4	189.2	[illegible]	18.7	3	16	20	**28**
4.0	57.1	3.0	5.8	35.1	135.2	149.0	285.0	12.6	3	2	16	**30**
3.4	49.2	2.6	5.0	30.8	118.4	135.1	253.8	10.9	3	2	17	307
4.7	83.7	3.7	6.9	59.8	216.8	222.3	436.1	24.4	17	11	34	**32**
3.4	60.4	2.6	5.0	42.1	131.8	158.9	292.6	16.3	23	17	41	327
8.0	194.2	5.9	11.3	140.1	[illegible]	1 260.1	1 729.0	89.9	5	15	1	**33**
2.7	79.6	1.9	4.1	59.0	157.5	833.6	1 002.3	(D)	1	1	(X)	333
3.7	88.0	2.8	5.0	64.1	246.1	379.5	630.2	14.4	12	35	13	335
7.9	116.9	5.6	11.0	78.5	260.2	254.8	513.0	17.5	4	6	41	**34**
5.0	70.5	3.4	6.5	45.9	140.1	158.6	297.0	6.8	4	11	43	344
23.4	547.0	9.8	19.5	165.3	1 112.4	1 344.3	2 398.7	182.3	2	1	4	**35**
15.5	395.0	4.0	8.0	67.4	852.8	1 153.3	1 915.5	(D)	1	1	(X)	357
2.9	54.5	2.3	4.6	38.3	97.7	36.1	133.6	(D)	12	6	(X)	359
36.6	798.9	19.5	35.8	305.9	1 332.5	619.4	1 945.8	218.9	1	1	1	**36**
10.8	252.0	5.9	11.2	117.1	432.5	195.9	630.5	(D)	1	1	(X)	366
23.8	510.7	12.2	21.8	169.8	829.1	369.2	1 189.1	174.2	1	1	1	367
17.8	473.2	11.5	23.9	288.5	995.3	855.4	2 013.3	44.7	1	1	3	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
5.8	114.4	2.4	4.3	26.3	251.5	119.0	374.4	20.8	1	2	7	**38**
2.5	64.1	.4	.8	7.6	102.9	56.4	173.2	9.2	1	1	1	382
2.7	38.4	2.0	3.7	23.5	93.2	62.9	153.9	4.3	2	16	8	**39**
4.0	99.5	-	-	-	-	-	-	-	1	(X)	(X)	**—**
188.8	2 823.7	148.8	279.1	1 931.7	7 755.3	12 002.1	19 746.5	701.2	2	2	3	**Ark.**
30.4	388.1	24.4	46.3	248.5	1 095.5	3 670.2	4 765.8	90.0	2	2	7	**20**
16.2	162.4	14.7	26.8	127.6	375.1	1 191.7	1 568.0	27.9	1	2	2	201
3.9	47.6	3.4	6.6	38.0	152.5	296.7	449.2	10.7	1	4	23	203
3.0	42.3	2.2	4.7	26.7	165.0	1 053.4	1 233.7	10.2	1	3	9	204
3.5	41.8	2.8	4.7	29.0	120.3	201.0	323.3	(D)	1	1	(X)	**22**
10.4	89.6	9.1	15.6	71.1	206.7	145.2	351.9	3.8	4	2	23	**23**
6.8	56.5	5.9	9.8	44.6	145.4	76.8	217.5	1.7	5	2	31	232
16.9	212.9	14.7	27.6	169.1	400.1	843.8	1 248.8	36.1	5	6	15	**24**
2.8	32.5	2.5	4.1	26.3	83.9	186.6	272.6	7.3	10	9	4	241
7.2	91.9	6.3	12.1	75.3	162.2	315.1	481.0	21.7	10	11	26	242
3.3	48.5	2.8	5.7	38.9	72.3	196.7	268.0	2.9	4	5	10	243
8.6	103.8	7.1	13.5	73.8	215.9	213.9	430.2	5.5	2	2	1	**25**
5.4	58.2	4.7	8.6	43.8	103.5	124.9	230.3	3.2	3	3	2	251
11.2	280.9	9.2	18.8	204.2	796.6	1 207.4	1 999.0	176.2	1	1	2	**26**
3.1	94.3	2.5	5.3	76.8	275.7	411.5	687.2	145.5	1	1	1	263
3.4	56.2	2.9	5.5	43.2	265.4	384.3	649.3	11.0	1	1	1	264
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	265
10.1	127.3	7.1	12.6	80.0	404.0	199.9	598.2	22.4	3	2	16	**27**
3.3	38.2	1.4	2.5	13.9	82.8	32.8	115.7	4.7	7	7	36	271
2.4	38.1	1.8	3.6	25.9	74.2	57.1	131.7	6.9	4	2	27	275
7.9	175.6	5.8	11.5	118.6	526.0	626.3	1 155.3	71.2	1	1	6	**28**
8.3	139.6	6.6	12.6	103.6	432.6	373.1	795.9	20.0	2	1	2	**30**
4.0	56.4	3.3	6.2	41.7	185.8	153.6	340.8	10.2	2	2	5	307
6.3	60.1	5.6	9.6	48.0	115.5	101.5	217.3	(D)	1	1	(X)	**31**
5.8	54.5	5.2	8.8	43.9	103.0	92.6	196.0	2.2	1	1	10	314

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Ark.	**Arkansas**—Con										
32	**Stone, clay, and glass products**	4.1	71.5	3.6	7.1	52.8	204.3	162.7	370.4	20.5	41.3
33	**Primary metal industries**	6.3	128.1	4.9	9.5	90.8	291.1	705.0	986.6	9.0	124.6
335	Nonferrous rolling and drawing	2.7	50.9	2.1	4.0	35.8	130.8	406.5	529.8	2.9	61.7
34	**Fabricated metal products**	14.8	239.4	11.6	22.6	163.8	609.7	655.5	1 233.4	33.9	311.3
344	Fabricated structural metal products	4.3	66.6	3.2	6.2	44.5	144.5	213.5	342.1	6.6	72.6
349	Miscellaneous fabricated metal products	5.2	87.6	4.2	8.3	63.8	207.7	196.6	404.2	14.6	85.9
35	**Machinery, except electrical**	13.1	215.4	9.9	19.3	139.9	541.0	553.1	1 118.8	29.3	272.5
358	Refrigeration and service machinery	3.0	52.5	2.3	4.5	37.9	147.1	161.7	305.6	7.3	70.4
36	**Electric and electronic equipment**	21.5	368.1	17.6	33.6	271.2	1 062.7	1 291.9	2 325.3	54.0	365.0
362	Electrical industrial apparatus	6.7	104.1	5.5	10.2	78.0	332.5	216.0	543.6	20.3	88.9
363	Household appliances	4.7	88.7	4.2	7.9	73.7	296.7	374.4	659.6	7.2	78.5
37	**Transportation equipment**	7.0	124.2	5.4	12.0	85.1	354.6	479.4	771.0	13.7	253.0
371	Motor vehicles and equipment	3.4	59.1	2.6	6.7	42.9	206.3	170.1	372.4	(D)	64.4
39	**Miscellaneous manufacturing industries**	3.1	40.0	2.4	4.4	25.8	99.7	81.9	180.7	1.6	32.3
--	**Auxiliaries**[1]	3.7	95.3	-	-	-	-	-	-	-	-
Calif.	**California**	1 384.3	44 845.2	1 191.8	2 384.4	21 171.3	97 981.0	106 809.1	204 149.5	6 932.4	36 757.0
20	**Food and kindred products**	155.6	3 375.1	119.9	231.2	2 167.6	11 676.2	20 685.6	32 414.8	652.9	4 779.9
201	Meat products	16.0	302.3	13.0	25.4	228.1	640.1	2 958.1	3 612.4	23.2	148.1
202	Dairy products	10.1	232.7	6.1	12.1	145.3	807.9	2 979.8	3 779.4	39.8	119.4
203	Preserved fruits and vegetables	45.6	835.9	39.0	73.8	645.0	2 612.5	3 909.7	6 527.7	170.0	2 028.3
204	Grain mill products	8.3	200.3	5.5	11.9	125.5	822.7	1 749.8	2 582.9	59.0	212.5
205	Bakery products	21.3	502.1	11.6	22.1	241.5	1 160.3	722.7	1 877.5	43.7	58.8
206	Sugar and confectionery products	12.2	225.3	10.0	19.8	165.1	791.0	1 319.2	2 120.2	38.2	447.2
207	Fats and oils	2.8	68.7	1.8	3.7	40.5	301.8	731.4	1 028.0	16.9	125.5
208	Beverages	23.2	580.9	12.1	23.5	290.5	2 721.9	3 697.0	6 465.5	207.7	1 126.3
209	Miscellaneous foods and kindred products	26.1	426.9	20.6	39.0	286.1	1 817.9	2 617.9	4 421.1	53.4	513.6
22	**Textile mill products**	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
225	Knitting mills	3.8	42.8	3.2	6.2	30.5	109.0	89.3	199.0	4.6	25.8
227	Floor covering mills	3.8	70.4	2.4	4.7	36.3	169.7	400.2	564.0	3.1	75.7
23	**Apparel and other textile products**	105.8	1 093.8	87.3	154.6	711.2	2 428.9	2 755.3	5 179.8	36.6	730.4
232	Men's and boys' furnishings	9.2	100.2	7.4	11.6	65.6	267.8	285.2	546.5	13.1	81.7
233	Women's and misses' outerwear	63.3	626.0	52.2	91.7	398.6	1 428.7	1 684.4	3 112.1	15.3	402.6
234	Women's and children's undergarments	4.9	56.7	4.1	7.4	34.4	122.6	88.6	210.1	1.1	33.0
238	Miscellaneous apparel and accessories	3.9	46.1	3.2	6.0	30.5	95.4	81.7	178.5	.4	27.3
239	Miscellaneous fabricated textile products	18.8	203.1	15.8	28.5	142.0	392.6	496.8	880.3	5.9	148.5
24	**Lumber and wood products**	52.7	925.1	44.0	86.1	701.6	1 906.6	2 579.9	4 428.9	98.7	725.7
241	Logging camps and logging contractors	4.0	86.3	3.5	7.4	72.0	196.1	284.0	483.4	15.1	37.4
242	Sawmills and planing mills	15.3	320.6	13.4	27.0	269.3	650.6	1 005.0	1 607.1	35.1	373.9
243	Millwork, plywood, and structural members	14.8	255.8	12.1	23.8	187.6	482.2	663.3	1 128.5	13.1	177.0
244	Wood containers	4.0	53.7	3.4	6.1	36.0	93.8	144.3	237.3	9.3	23.2
245	Wood buildings and mobile homes	4.6	74.9	3.4	6.5	46.2	144.8	236.1	379.9	14.8	23.1
249	Miscellaneous wood products	10.0	133.8	8.2	15.3	90.4	339.0	245.1	582.7	11.4	91.0
25	**Furniture and fixtures**	55.1	864.4	44.2	87.9	574.8	1 935.8	1 500.3	3 427.1	50.6	534.9
251	Household furniture	31.5	444.3	26.2	51.3	304.4	908.8	889.1	1 793.9	21.7	302.0
252	Office furniture	9.0	160.3	7.3	14.8	108.5	510.2	237.4	739.6	14.2	100.1
254	Partitions and fixtures	7.2	140.8	5.2	10.1	91.5	265.7	194.5	464.1	8.8	67.1
259	Miscellaneous furniture and fixtures	5.9	95.0	4.4	9.6	57.1	207.3	144.1	350.4	5.2	51.5
26	**Paper and allied products**	35.2	818.5	26.8	52.2	574.5	2 084.3	3 110.4	5 171.1	166.3	646.6
264	Miscellaneous converted paper products	15.1	306.9	11.5	21.7	217.4	917.9	1 038.3	1 937.3	68.0	264.4
265	Paperboard containers and boxes	15.7	376.9	11.8	23.6	253.6	821.3	1 481.7	2 306.4	42.3	280.6
27	**Printing and publishing**	127.6	2 486.3	69.8	130.4	1 255.9	5 936.2	3 117.1	9 046.1	349.1	753.5
271	Newspapers	45.8	896.7	15.1	27.5	310.7	2 161.4	772.7	2 933.4	161.8	137.8
272	Periodicals	7.4	152.5	1.8	3.0	25.2	541.2	291.6	840.0	5.5	49.9
273	Books	7.2	135.6	3.1	6.1	44.1	421.5	210.5	630.9	4.5	123.0
274	Miscellaneous publishing	4.5	73.5	2.0	3.4	31.7	226.6	91.4	315.9	5.5	31.4
275	Commercial printing	45.0	880.5	34.2	63.3	602.9	1 771.5	1 257.7	3 016.1	134.3	290.0
276	Manifold business forms	4.9	105.6	3.5	6.8	70.6	297.4	317.5	615.6	8.7	72.5
278	Blankbooks and bookbinding	6.6	113.1	5.4	11.2	78.4	284.1	114.0	396.2	9.4	29.6
279	Printing trade services	6.0	127.4	4.6	8.7	92.4	232.9	55.9	291.7	17.4	17.4
28	**Chemicals and allied products**	50.5	1 114.2	27.2	53.2	484.2	4 136.9	4 647.1	8 754.1	360.6	1 341.9
281	Industrial inorganic chemicals	4.0	115.5	2.1	4.1	56.5	330.6	523.3	866.9	67.3	142.8
283	Drugs	14.9	340.9	6.8	13.5	104.1	1 063.3	697.0	1 728.2	54.9	328.6
284	Soaps, cleaners, and toilet goods	10.9	221.8	6.9	13.6	118.5	965.4	972.2	1 937.5	59.1	250.0
285	Paints and allied products	6.8	152.5	3.4	6.6	63.7	701.0	829.5	1 489.3	123.4	215.9
289	Miscellaneous chemical products	7.5	137.9	4.1	7.9	60.3	485.2	542.7	1 032.2	31.5	148.2
29	**Petroleum and coal products**	20.7	622.0	11.9	24.8	364.8	3 442.4	19 865.2	23 442.6	711.4	2 296.8
291	Petroleum refining	16.3	513.9	9.2	19.1	299.4	3 055.9	19 063.6	22 277.9	621.1	2 097.0
295	Paving and roofing materials	2.8	70.7	2.0	4.2	50.2	221.2	533.9	747.9	5.9	50.9

See footnotes at end of table.

1982–Con.

explanation of terms, see appendixes]

1982

All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column¹			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
4.2	**67.2**	**3.3**	**5.4**	**46.9**	**184.8**	**182.5**	**369.1**	**27.8**	**10**	**8**	**13**	**Ark.** **32**
6.2	**118.9**	**4.8**	**9.1**	**84.4**	**226.6**	**621.5**	**850.7**	**65.2**	**1**	**1**	**6**	**33**
2.8	49.6	2.1	4.1	35.9	98.5	367.3	470.1	3.9	2	1	8	335
14.5	**226.6**	**11.4**	**22.3**	**155.3**	**556.3**	**567.8**	**1 121.5**	**43.6**	**3**	**3**	**15**	**34**
3.9	60.7	2.9	5.7	40.1	129.3	174.0	305.2	4.6	9	9	33	344
5.6	90.6	4.5	9.1	66.1	218.9	188.5	413.1	24.2	2	3	7	349
12.4	**196.4**	**9.0**	**17.2**	**123.5**	**450.4**	**459.4**	**915.3**	**30.1**	**10**	**11**	**16**	**35**
2.8	45.6	2.1	3.8	30.1	100.9	126.5	231.7	4.0	2	1	3	358
20.8	**317.7**	**16.7**	**30.5**	**226.9**	**918.7**	**1 045.8**	**1 979.7**	**39.1**	**4**	**3**	**1**	**36**
6.7	98.4	5.4	9.5	71.7	325.8	202.1	526.9	17.8	1	1	1	362
3.6	59.9	3.0	5.7	47.0	193.2	226.5	437.8	3.4	1	1	1	363
7.1	**109.9**	**5.6**	**10.3**	**77.6**	**278.7**	**390.8**	**667.1**	**16.9**	**11**	**8**	**35**	**37**
3.5	50.8	3.0	5.7	38.6	155.8	158.9	312.2	(D)	22	12	(X)	371
3.1	**39.5**	**2.4**	**4.3**	**23.8**	**86.0**	**75.7**	**172.5**	**3.8**	**1**	**3**	**5**	**39**
3.7	**88.6**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
2 004.8	**42 630.0**	**1 209.3**	**2 317.6**	**20 580.6**	**94 388.4**	**105 569.9**	**199 695.4**	**8 439.4**	**1**	**1**	**1**	**Calif.**
173.5	**3 286.0**	**127.9**	**240.7**	**2 159.7**	**10 953.8**	**20 339.9**	**31 290.7**	**906.3**	**1**	**1**	**4**	**20**
18.7	318.8	15.5	31.0	243.8	720.5	3 019.5	3 747.9	91.7	1	2	9	201
10.2	229.9	6.4	12.5	142.0	636.4	2 875.8	3 512.9	151.6	2	4	15	202
49.1	814.3	42.6	76.8	651.5	2 590.1	3 804.1	6 339.1	178.9	4	3	6	203
7.5	171.6	5.0	10.6	108.9	655.4	1 619.7	2 345.3	59.2	3	3	5	204
21.3	483.4	11.5	21.6	234.0	1 158.9	720.2	1 879.0	58.0	2	1	3	205
12.9	227.6	10.8	21.1	169.9	770.4	1 352.7	2 081.3	36.8	2	4	14	206
3.3	76.5	2.2	4.5	46.0	303.5	808.3	1 108.3	33.0	1	4	6	207
23.6	554.1	12.7	23.9	280.4	2 309.0	3 576.8	5 896.7	218.4	2	2	11	208
26.8	409.8	21.3	38.8	283.2	1 819.6	2 562.7	4 380.1	78.7	1	2	9	209
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**22**
3.5	38.9	3.0	5.6	28.8	80.9	80.3	160.4	2.5	6	16	56	225
3.7	64.7	2.3	4.3	28.8	139.6	349.3	493.9	6.0	1	1	8	227
106.3	**1 106.6**	**88.2**	**157.8**	**742.5**	**2 565.4**	**2 732.3**	**5 294.6**	**69.7**	**3**	**4**	**14**	**23**
10.3	107.1	8.4	14.5	74.4	254.3	241.0	502.8	5.0	15	8	34	232
63.0	636.0	52.2	92.0	419.3	1 573.2	1 758.6	3 317.6	46.6	3	6	10	233
5.0	53.9	4.1	7.7	34.2	117.2	85.9	204.2	2.2	1	3	1	234
3.7	41.1	3.0	5.4	27.9	84.7	74.8	161.8	.7	3	5	64	238
18.1	198.5	15.2	27.8	141.2	398.9	452.3	850.0	12.7	5	9	32	239
48.4	**814.0**	**39.2**	**74.1**	**622.6**	**1 445.0**	**2 190.9**	**3 704.2**	**102.2**	**3**	**3**	**12**	**24**
3.9	69.1	3.2	6.2	57.9	165.9	251.6	424.1	11.0	14	12	51	241
14.6	281.5	12.7	23.7	235.3	432.1	804.1	1 262.6	39.0	2	4	11	242
13.5	230.6	10.5	20.6	171.2	399.9	530.3	939.7	20.1	4	4	19	243
3.6	47.5	3.0	5.5	35.1	80.1	137.5	219.7	4.0	8	8	66	244
4.4	66.5	3.2	5.9	40.5	120.6	201.8	324.3	6.2	4	5	8	245
8.4	118.9	6.7	12.3	82.6	246.3	265.7	533.9	22.0	11	13	26	249
52.6	**782.7**	**42.0**	**81.6**	**536.4**	**1 709.7**	**1 400.8**	**3 111.4**	**55.2**	**3**	**4**	**11**	**25**
30.3	400.1	24.9	47.4	284.5	873.4	820.0	1 694.1	26.5	2	3	14	251
8.7	144.4	6.9	14.1	97.4	384.8	232.3	617.2	12.4	4	10	11	252
7.5	143.9	5.6	10.7	96.6	265.4	190.8	457.7	8.1	4	4	50	254
4.8	71.9	3.6	7.5	44.5	148.0	122.9	269.2	4.8	15	12	19	259
35.5	**774.2**	**27.2**	**53.2**	**544.1**	**1 978.4**	**3 078.7**	**5 065.2**	**210.0**	**2**	**2**	**8**	**26**
15.6	302.3	12.0	23.3	210.4	860.0	1 095.8	1 968.5	72.3	2	3	8	264
15.4	347.1	11.7	23.3	239.1	762.8	1 438.5	2 202.3	54.3	2	2	17	265
131.1	**2 376.0**	**71.0**	**129.2**	**1 185.6**	**5 473.2**	**3 120.2**	**8 592.1**	**372.8**	**2**	**2**	**8**	**27**
46.1	828.6	14.8	26.4	277.6	1 894.3	797.6	2 692.7	176.8	1	1	4	271
7.4	146.4	1.9	3.3	25.9	523.9	325.5	852.5	11.5	3	3	32	272
7.3	130.7	3.0	6.1	40.9	399.0	202.0	599.4	10.6	1	3	18	273
5.4	78.5	2.7	4.0	29.2	210.6	98.0	298.4	4.0	7	9	38	274
47.6	871.7	35.4	64.1	568.9	1 711.9	1 251.9	2 961.8	132.2	3	4	17	275
5.2	104.9	3.7	7.3	70.2	282.7	301.1	583.2	12.1	4	3	31	276
6.2	92.6	5.1	9.8	66.3	222.6	96.4	318.5	6.7	6	9	35	278
5.7	119.9	4.3	8.1	84.9	220.2	52.9	272.5	18.6	3	5	52	279
52.6	**1 111.5**	**26.8**	**55.9**	**514.7**	**4 058.5**	**4 483.1**	**8 543.4**	**376.1**	**1**	**2**	**4**	**28**
4.1	105.9	2.3	4.3	53.6	344.5	459.9	794.1	50.3	3	4	4	281
14.9	310.8	7.0	13.6	109.6	937.2	615.6	1 544.4	58.5	1	2	10	283
11.3	220.0	6.9	13.4	117.6	1 060.0	914.2	1 967.7	71.8	3	4	8	284
6.5	136.4	3.4	6.4	59.3	558.3	757.3	1 321.4	67.7	3	5	3	285
7.9	155.8	4.6	8.9	77.7	437.9	526.8	973.0	34.3	4	4	30	289
18.8	**568.5**	**11.7**	**24.5**	**328.3**	**4 155.5**	**21 061.7**	**25 440.1**	**1 034.8**	**1**	**1**	**1**	**29**
14.5	468.1	9.1	19.2	271.5	3 813.8	20 317.3	24 343.8	1 002.2	1	1	1	291
2.6	63.7	1.9	3.7	43.3	180.1	462.1	649.7	15.2	2	4	14	295

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Calif.	**California**—Con.										
30	**Rubber and miscellaneous plastics products**	**66.5**	**1 135.3**	**49.8**	**98.1**	**665.7**	**2 530.6**	**2 602.3**	**5 118.5**	**165.0**	**685.5**
306	Fabricated rubber products, n.e.c	7.2	118.9	5.0	9.9	66.3	283.8	264.6	542.5	11.3	88.4
307	Miscellaneous plastics products	55.6	958.9	42.1	83.3	564.2	2 136.8	2 203.5	4 314.4	150.6	560.4
31	**Leather and leather products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
314	Footwear, except rubber	4.6	50.6	4.1	7.9	39.0	88.0	85.5	171.2	9	23.4
32	**Stone, clay, and glass products**	**48.0**	**1 014.0**	**37.4**	**72.2**	**732.0**	**2 378.5**	**2 408.0**	**4 798.8**	**194.0**	**638.7**
322	Glass and glassware, pressed or blown	9.5	224.5	8.3	16.1	189.1	487.8	447.4	928.5	37.2	144.4
323	Products of purchased glass	4.7	83.5	3.4	6.3	52.1	171.2	153.7	323.0	3.9	49.4
324	Cement, hydraulic	2.7	83.5	2.1	3.9	61.7	223.2	227.7	471.7	73.4	98.3
326	Pottery and related products	5.4	61.9	4.6	8.6	51.4	134.4	64.2	196.6	19.1	41.4
327	Concrete, gypsum, and plaster products	14.4	328.2	10.5	20.0	221.1	711.6	1 011.9	1 725.3	34.8	132.6
329	Miscellaneous nonmetallic mineral products	8.5	176.9	6.3	13.0	116.2	506.4	380.9	885.2	22.3	106.8
33	**Primary metal industries**	**38.4**	**893.8**	**29.4**	**57.3**	**615.3**	**1 585.7**	**2 929.8**	**4 529.5**	**115.5**	**945.9**
331	Blast furnace and basic steel products	10.0	339.1	7.5	14.6	239.9	620.0	1 101.5	1 703.1	26.1	468.2
332	Iron and steel foundries	6.8	121.6	5.4	10.6	83.1	221.1	164.8	393.7	8.1	46.1
335	Nonferrous rolling and drawing	8.7	192.8	6.4	12.8	130.2	255.2	783.3	1 046.4	42.0	256.9
336	Nonferrous foundries	8.6	156.6	7.0	13.3	108.8	302.4	215.8	520.3	27.0	54.6
34	**Fabricated metal products**	**135.6**	**2 770.9**	**100.3**	**199.3**	**1 788.5**	**5 819.8**	**5 429.7**	**11 190.7**	**290.6**	**2 148.9**
341	Metal cans and shipping containers	8.8	266.5	7.2	14.5	212.8	612.6	1 247.7	1 851.5	33.8	283.7
342	Cutlery, hand tools, and hardware	13.6	266.7	10.2	19.4	169.5	614.7	347.7	946.0	28.6	206.8
343	Plumbing and heating, except electric	6.5	111.5	4.6	8.5	65.0	282.0	251.4	527.8	7.5	100.7
344	Fabricated structural metal products	35.5	744.4	25.4	49.3	457.7	1 444.7	1 562.1	2 957.2	69.6	610.3
345	Screw machine products, bolts, etc	12.2	257.7	9.2	19.1	178.2	495.9	232.9	731.3	27.3	198.0
346	Metal forgings and stampings	13.3	282.0	9.9	21.3	179.8	586.6	544.5	1 154.3	48.4	203.5
347	Metal services, n.e.c	17.5	272.3	13.8	28.4	180.4	482.7	325.0	809.7	17.5	68.2
348	Ordnance and accessories, n.e.c	5.5	134.6	3.5	7.2	74.3	288.8	199.4	486.3	11.7	67.5
349	Miscellaneous fabricated metal products	22.8	435.1	16.4	31.6	270.7	1 011.6	719.2	1 726.5	46.5	410.2
35	**Machinery, except electrical**	**236.4**	**5 589.8**	**128.2**	**251.4**	**2 358.2**	**11 705.5**	**9 013.7**	**20 856.1**	**1 088.2**	**4 716.6**
351	Engines and turbines	5.8	184.2	3.7	6.7	96.9	268.4	284.9	590.4	(D)	202.9
352	Farm and garden machinery	4.9	77.8	3.6	6.6	48.4	135.3	167.1	304.5	(D)	77.3
353	Construction and related machinery	16.1	403.0	9.0	17.4	193.3	832.9	593.1	1 616.2	45.8	497.1
354	Metalworking machinery	12.4	264.9	9.0	17.6	176.2	482.8	284.0	768.0	18.5	156.0
355	Special industry machinery	12.6	332.7	7.4	13.5	147.9	652.0	476.3	1 132.9	25.1	296.2
356	General industrial machinery	20.4	447.1	12.4	24.0	225.9	1 027.8	732.1	1 749.6	48.1	375.6
357	Office and computing machines	113.7	2 892.4	45.0	92.5	800.0	6 259.2	5 428.0	11 518.7	823.5	2 666.4
358	Refrigeration and service machinery	9.3	187.7	6.5	12.3	113.9	455.7	425.3	869.5	25.7	148.8
359	Miscellaneous machinery, except electrical	41.1	800.0	31.6	60.8	555.5	1 591.3	623.0	2 206.4	66.9	296.4
36	**Electric and electronic equipment**	**333.9**	**8 024.5**	**180.7**	**349.9**	**3 280.9**	**16 894.4**	**9 261.9**	**25 967.4**	**1 429.1**	**5 122.4**
361	Electric distributing equipment	7.4	142.0	5.0	9.9	78.3	285.1	250.9	540.4	22.2	108.3
362	Electrical industrial apparatus	11.5	247.6	6.8	13.0	107.7	486.0	285.1	760.6	29.0	187.1
363	Household appliances	3.7	65.8	2.7	4.9	40.7	163.8	211.8	375.2	5.6	75.9
364	Electric lighting and wiring equipment	12.3	208.0	9.1	17.7	121.3	506.4	443.0	945.4	12.2	205.5
365	Radio and TV receiving equipment	8.0	139.8	5.2	10.2	66.8	424.6	516.0	944.4	31.7	114.0
366	Communication equipment	146.7	4 044.7	62.6	120.7	1 422.1	8 238.5	3 553.5	11 670.5	571.1	2 670.2
367	Electronic components and accessories	132.8	2 975.2	81.5	158.9	1 342.1	6 175.2	3 595.2	9 743.7	718.1	1 556.5
369	Miscellaneous electrical equipment and supplies	11.5	201.3	7.8	14.6	101.8	634.7	406.3	1 017.3	39.4	204.8
37	**Transportation equipment**	**274.2**	**8 078.5**	**140.8**	**272.6**	**3 486.2**	**15 849.1**	**12 254.2**	**28 356.0**	**910.9**	**8 415.8**
371	Motor vehicles and equipment	29.5	580.5	21.3	41.7	418.4	1 215.0	2 963.4	4 151.4	55.8	485.7
372	Aircraft and parts	124.2	3 844.6	62.9	124.1	1 632.7	6 502.7	4 613.4	11 605.1	400.3	5 837.0
373	Ship and boat building and repairing	17.5	464.0	14.5	27.8	347.5	820.0	532.4	1 346.0	(D)	154.5
376	Guided missiles, space vehicles, parts	90.8	2 908.6	33.9	62.9	930.0	6 750.3	2 997.7	9 444.0	350.3	1 615.5
379	Miscellaneous transportation equipment	10.4	257.0	6.7	13.4	141.9	514.1	1 095.4	1 711.5	(D)	302.0
38	**Instruments and related products**	**92.7**	**2 158.6**	**48.0**	**95.3**	**873.1**	**4 801.0**	**2 384.6**	**7 176.4**	**263.1**	**1 591.3**
381	Engineering and scientific instruments	5.5	123.6	3.1	6.2	52.0	359.5	125.2	456.2	16.8	110.9
382	Measuring and controlling devices	45.7	1 140.0	21.5	40.7	418.6	2 097.7	1 083.3	3 217.7	108.9	766.2
383	Optical instruments and lenses	11.1	269.8	5.2	10.8	99.6	780.1	378.9	1 147.6	38.5	237.2
384	Medical instruments and supplies	22.2	446.6	14.3	27.8	213.7	1 061.3	485.9	1 561.2	68.0	340.2
385	Ophthalmic goods	3.1	53.9	1.9	3.8	27.5	155.9	37.3	190.9	4.2	34.0
386	Photographic equipment and supplies	4.7	119.1	2.7	5.4	58.2	334.4	245.0	582.1	26.7	98.7
39	**Miscellaneous manufacturing industries**	**35.5**	**553.7**	**26.6**	**51.6**	**328.6**	**1 301.5**	**1 310.7**	**2 645.0**	**28.8**	**453.7**
391	Jewelry, silverware, and plated ware	3.3	51.8	2.3	4.2	31.0	122.7	168.0	[illegible]	.9	77.1
394	Toys and sporting goods	10.8	151.3	7.9	15.4	87.8	470.0	499.7	958.3	6.9	179.5
395	Pens, pencils, and office and art supplies	3.9	67.9	3.0	5.7	43.0	201.2	162.0	374.3	7.2	45.0
396	Costume jewelry and notions	2.9	36.2	2.3	4.4	20.4	62.8	40.9	101.3	3.0	22.2
399	Miscellaneous manufactures	13.0	218.4	9.9	19.6	132.0	390.0	393.9	821.7	9.4	99.7
—	**Auxiliaries**[2]	**87.3**	**2 950.2**	-	-	-	-	-	-	-	-

See footnotes at end of table.

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1982--Con.

explanation of terms, see appendixes]

1982												
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column[1] --			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Calif.
66.1	**1 067.9**	**48.8**	**94.7**	**636.4**	**2 398.4**	**2 367.6**	**4 766.9**	**204.3**	**1**	**2**	**11**	**30**
7.3	116.7	5.2	10.0	63.9	256.0	245.5	511.0	17.0	2	3	8	306
55.4	895.4	41.3	80.0	536.2	2 018.8	2 002.2	4 044.2	183.1	2	2	12	307
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**31**
1.3	47.9	3.8	7.3	37.4	85.0	79.3	164.4	3.0	1	3	1	314
44.9	**993.3**	**37.9**	**73.4**	**711.0**	**2 270.1**	**2 299.6**	**4 549.6**	**294.2**	**2**	**2**	**11**	**32**
10.0	224.3	6.7	17.6	186.4	529.2	466.6	977.8	79.1	1	1	1	322
4.6	81.2	3.4	6.5	52.8	159.1	156.6	317.4	11.3	2	3	39	323
3.3	94.1	2.6	4.7	69.2	232.5	240.6	457.1	119.9	9	8	13	324
5.2	67.6	4.3	8.0	51.0	116.3	66.1	184.7	4.3	9	12	82	326
13.9	297.0	10.1	19.1	196.5	646.3	693.6	1 540.7	46.6	3	4	27	327
8.6	166.3	6.3	12.6	109.8	450.3	345.2	807.2	26.4	1	2	8	329
42.2	**949.3**	**32.5**	**62.3**	**658.4**	**1 717.6**	**2 807.1**	**4 609.2**	**181.2**	**3**	**4**	**9**	**33**
11.8	376.7	8.8	16.5	272.7	641.0	1 145.6	1 833.2	25.3	1	3	4	331
8.2	139.9	6.7	12.5	95.9	283.0	184.1	468.3	21.3	9	16	25	332
8.6	182.9	6.3	12.4	120.6	306.5	647.6	976.1	72.8	1	14	3	335
8.5	147.9	7.1	13.5	106.8	278.5	192.1	478.7	18.4	4	5	36	336
139.8	**2 791.0**	**101.5**	**199.4**	**1 768.0**	**5 783.1**	**5 489.5**	**11 398.3**	**347.3**	**3**	**2**	**9**	**34**
9.3	263.9	7.6	15.3	214.1	670.2	1 231.0	1 898.3	32.7	1	1	2	341
13.0	241.2	9.5	18.5	151.2	525.6	316.0	854.3	25.7	3	3	36	342
6.2	103.5	4.4	7.9	58.2	243.2	228.0	480.0	11.9	2	2	13	343
35.1	715.6	25.2	48.9	449.2	1 390.0	1 601.7	3 054.3	60.2	3	4	20	344
12.8	249.2	9.5	18.8	164.7	510.5	228.3	760.6	25.9	3	3	32	345
14.6	293.8	11.0	21.5	189.7	620.6	566.1	1 203.4	77.4	25	14	9	346
17.2	261.6	13.7	27.7	177.1	478.0	323.6	804.0	34.0	4	4	35	347
7.7	199.8	3.9	7.9	85.8	363.9	269.9	632.8	36.9	1	3	5	348
23.9	462.4	16.7	32.8	278.1	981.1	724.9	1 710.6	42.6	2	5	27	349
248.0	**5 542.9**	**135.3**	**265.2**	**2 414.3**	**12 169.8**	**8 632.6**	**20 803.4**	**1 268.2**	**1**	**1**	**2**	**35**
6.0	169.2	3.2	6.2	69.5	396.6	304.7	680.0	(D)	1	1	(X)	351
5.0	75.4	3.3	6.1	43.6	126.4	166.0	303.2	(D)	5	7	(X)	352
22.5	531.1	12.7	24.2	261.7	1 441.3	874.5	2 376.9	142.8	2	3	8	353
13.6	278.2	9.8	19.2	185.2	494.2	278.9	792.7	28.0	3	3	26	354
16.2	358.2	9.0	17.0	167.6	670.6	478.1	1 152.7	44.5	11	8	9	355
22.4	473.6	13.5	26.8	241.6	1 066.3	818.1	1 917.6	58.7	1	2	9	356
112.7	2 693.9	46.7	91.9	804.0	5 971.5	4 708.6	10 557.5	820.6	2	2	2	357
8.9	169.7	5.9	11.2	98.8	433.9	386.2	831.3	16.8	3	6	35	358
40.6	793.5	31.2	62.7	542.4	1 569.0	617.4	2 188.4	107.2	4	3	23	359
331.8	**7 304.8**	**182.7**	**351.2**	**3 094.4**	**15 757.5**	**9 578.0**	**25 323.9**	**1 781.8**	**1**	**1**	**2**	**36**
7.7	136.4	5.0	9.8	77.1	288.7	264.8	567.3	25.0	1	4	4	361
13.4	257.9	8.1	15.8	121.4	579.1	352.3	929.3	24.0	4	4	19	362
3.7	63.4	2.6	4.7	34.9	153.3	136.2	355.8	5.5	3	5	8	363
11.8	189.9	8.6	16.4	113.6	478.3	398.2	884.2	16.5	3	7	12	364
8.9	146.6	5.9	11.7	69.2	449.0	546.0	1 010.3	40.5	5	3	3	365
137.3	3 450.9	62.1	117.6	1 269.6	6 894.2	3 780.1	10 663.5	745.2	2	1	2	366
135.1	2 780.0	82.2	159.4	1 290.2	6 249.6	3 615.7	9 797.8	865.8	2	1	3	367
13.8	279.7	8.2	15.8	118.4	665.5	424.6	1 083.6	59.3	6	6	13	369
258.3	**7 400.8**	**138.6**	**271.5**	**3 308.4**	**15 356.1**	**11 509.4**	**26 084.8**	**871.8**	**2**	**1**	**1**	**37**
28.8	610.4	21.9	42.6	433.6	1 500.8	3 175.5	4 691.6	57.2	10	5	14	371
112.4	3 261.4	59.6	117.3	1 490.9	6 467.6	3 808.3	9 929.6	450.3	1	2	1	372
21.5	554.2	18.5	35.3	426.0	946.4	597.3	1 542.5	(D)	2	3	(X)	373
85.0	2 734.3	31.5	62.6	821.7	5 943.8	3 140.4	8 705.7	241.5	1	1	1	376
8.8	216.0	5.6	10.9	120.2	449.9	731.5	1 092.3	(D)	3	3	(X)	379
91.8	**1 959.1**	**49.9**	**96.5**	**806.6**	**4 341.3**	**2 141.2**	**6 509.2**	**298.1**	**2**	**2**	**7**	**38**
5.7	124.9	3.3	6.6	59.5	301.2	132.9	439.0	23.2	5	6	11	381
43.2	979.9	21.1	39.8	364.7	1 890.8	883.8	2 796.3	115.1	3	3	6	382
11.0	244.9	5.5	10.9	95.5	654.4	376.4	1 040.9	42.2	2	1	4	383
23.1	426.7	14.9	29.1	199.1	1 088.2	463.3	1 515.3	85.7	3	3	7	384
3.1	52.5	1.9	3.7	27.3	102.4	32.5	137.8	5.8	1	1	1	385
5.2	124.5	2.9	5.8	56.9	314.5	243.3	558.4	25.8	4	6	57	386
38.3	**578.8**	**27.7**	**51.8**	**335.1**	**1 667.0**	**1 469.2**	**3 119.5**	**80.1**	**3**	**5**	**8**	**39**
3.4	50.8	2.2	4.1	27.3	123.6	154.5	276.2	3.3	3	4	30	391
12.2	168.6	9.0	17.1	96.1	711.9	573.0	1 290.1	15.4	3	3	17	394
4.0	64.5	3.0	5.7	41.7	212.0	167.9	368.0	13.7	2	2	10	395
2.2	25.4	1.7	3.3	16.5	53.8	37.2	91.3	3.1	14	13	35	396
14.7	239.1	10.4	19.2	136.7	513.0	496.4	1 003.8	21.9	6	15	16	399
98.5	**2 931.9**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Colo.	**Colorado**	**193.3**	**4 298.0**	**108.1**	**207.5**	**1 989.6**	**8 446.3**	**10 896.0**	**19 274.4**	**737.4**	**2 614.4**
20	**Food and kindred products**	**22.1**	**456.4**	**14.3**	**27.7**	**241.6**	**1 243.5**	**3 574.8**	**4 821.6**	**112.7**	**287.4**
201	Meat products	5.4	84.2	4.6	8.8	66.4	15.8	2 081.1	2 074.9	7.8	40.3
205	Bakery products	3.0	65.3	2.0	3.8	41.8	186.8	111.6	297.6	4.1	7.5
208	Beverages	6.3	183.7	2.5	5.0	61.7	611.2	640.5	1 267.8	(D)	124.9
23	**Apparel and other textile products**	**3.1**	**35.2**	**2.5**	**4.4**	**23.1**	**84.6**	**66.1**	**153.3**	**1.1**	**29.8**
24	**Lumber and wood products**	**4.3**	**63.7**	**3.5**	**6.6**	**45.7**	**106.2**	**196.7**	**300.6**	**3.7**	**40.5**
27	**Printing and publishing**	**19.6**	**317.1**	**10.1**	**17.3**	**149.4**	**818.6**	**331.0**	**1 141.5**	**53.6**	**90.8**
271	Newspapers	8.2	129.1	2.2	3.9	43.5	334.2	117.1	441.2	22.8	24.6
275	Commercial printing	5.2	82.5	4.0	7.1	55.7	171.8	106.0	278.6	12.8	21.4
30	**Rubber and miscellaneous plastics products**	**5.1**	**97.5**	**3.7**	**7.0**	**64.6**	**227.4**	**192.1**	**418.5**	**14.8**	**50.6**
307	Miscellaneous plastics products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
32	**Stone, clay, and glass products**	**8.3**	**163.7**	**6.3**	**11.7**	**106.8**	**367.5**	**327.1**	**696.0**	**20.7**	**69.3**
327	Concrete, gypsum, and plaster products	4.2	77.2	3.1	6.3	54.0	167.7	203.1	373.9	(D)	17.7
33	**Primary metal industries**	**3.9**	**93.5**	**2.7**	**5.8**	**68.2**	**129.6**	**206.0**	**340.6**	**(D)**	**74.5**
331	Blast furnace and basic steel products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34	**Fabricated metal products**	**17.7**	**383.4**	**12.1**	**23.0**	**230.2**	**763.8**	**599.2**	**1 370.4**	**23.2**	**182.4**
344	Fabricated structural metal products	3.3	60.5	2.4	4.6	37.6	123.2	147.4	278.7	4.6	51.7
348	Ordnance and accessories, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
349	Miscellaneous fabricated metal products	2.9	53.9	2.1	3.6	34.9	107.8	111.2	223.8	10.6	38.0
35	**Machinery, except electrical**	**30.9**	**748.7**	**14.9**	**28.4**	**305.0**	**1 101.0**	**1 289.6**	**2 340.3**	**192.1**	**642.5**
353	Construction and related machinery	2.9	61.2	1.6	3.1	29.4	119.8	119.1	255.0	2.4	75.2
357	Office and computing machines	21.0	543.2	8.6	16.5	190.1	716.9	980.1	1 624.8	179.5	476.1
359	Miscellaneous machinery, except electrical	2.7	46.3	2.2	4.2	35.6	82.3	40.3	124.5	3.1	10.5
36	**Electric and electronic equipment**	**20.0**	**417.5**	**11.1**	**21.0**	**173.3**	**869.4**	**785.6**	**1 802.2**	**90.7**	**370.5**
366	Communication equipment	9.9	214.3	5.3	9.8	89.4	410.4	543.4	923.7	38.1	214.9
367	Electronic components and accessories	5.9	114.6	3.7	7.5	55.3	257.2	131.8	366.8	44.9	87.3
369	Miscellaneous electrical equipment and supplies	3.3	74.4	1.5	2.8	21.9	173.0	79.6	252.5	7.5	55.9
37	**Transportation equipment**	**12.5**	**376.6**	**7.0**	**16.1**	**209.1**	**968.4**	**521.9**	**1 479.5**	**(D)**	**128.4**
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**20.6**	**532.7**	**10.7**	**20.7**	**235.9**	**1 216.7**	**1 303.5**	**2 585.1**	**118.2**	**409.3**
382	Measuring and controlling devices	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
384	Medical instruments and supplies	2.6	49.6	1.5	2.8	19.3	114.2	62.0	174.3	4.2	36.8
386	Photographic equipment and supplies	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39	**Miscellaneous manufacturing industries**	**3.7**	**56.2**	**2.6**	**5.0**	**31.6**	**102.7**	**95.8**	**200.7**	**(D)**	**39.8**
—	**Auxiliaries**[2]	**12.0**	**370.0**	-	-	-	-	-	-	-	-
Conn.	**Connecticut**	**420.3**	**9 493.5**	**235.5**	**465.0**	**4 156.6**	**17 560.3**	**13 962.9**	**31 684.0**	**972.3**	**7 323.6**
20	**Food and kindred products**	**9.0**	**157.4**	**5.8**	**10.9**	**90.8**	**601.6**	**739.9**	**1 347.2**	**39.2**	**90.7**
205	Bakery products	3.4	63.1	2.0	3.7	35.1	184.9	142.5	327.2	9.6	7.3
22	**Textile mill products**	**6.7**	**103.8**	**5.4**	**10.4**	**72.7**	**201.8**	**213.9**	**416.0**	**3.5**	**69.0**
23	**Apparel and other textile products**	**9.4**	**106.2**	**7.8**	**13.4**	**69.3**	**233.0**	**240.5**	**477.2**	**5.6**	**82.9**
233	Women's and misses' outerwear	4.7	48.2	4.0	6.7	33.5	97.4	108.1	204.9	.7	30.6
24	**Lumber and wood products**	**2.6**	**36.4**	**2.1**	**4.2**	**27.2**	**62.1**	**75.7**	**136.6**	**2.0**	**18.8**
25	**Furniture and fixtures**	**4.2**	**68.8**	**3.1**	**5.8**	**39.2**	**133.3**	**107.7**	**238.5**	**1.9**	**43.6**
26	**Paper and allied products**	**7.1**	**147.4**	**5.5**	**11.4**	**102.9**	**457.7**	**481.1**	**937.1**	**39.2**	**107.8**
265	Paperboard containers and boxes	3.4	63.3	2.5	5.1	40.2	113.6	153.5	268.1	3.2	32.6
27	**Printing and publishing**	**25.5**	**455.9**	**14.4**	**27.2**	**225.4**	**1 025.7**	**566.0**	**1 589.2**	**49.5**	**115.3**
271	Newspapers	7.3	119.3	2.2	3.8	36.2	271.1	78.5	348.4	13.1	10.1
275	Commercial printing	9.5	168.6	7.6	14.6	112.3	331.8	249.0	577.5	29.2	45.4
28	**Chemicals and allied products**	**13.3**	**329.0**	**6.5**	**13.5**	**131.5**	**1 232.3**	**918.4**	**2 151.0**	**120.2**	**335.5**
283	Drugs	4.6	132.7	2.3	4.9	52.5	330.1	153.6	491.8	(D)	122.2
284	Soaps, cleaners, and toilet goods	2.6	52.6	1.3	2.8	22.5	513.5	198.7	704.3	17.5	74.9
30	**Rubber and miscellaneous plastics products**	**12.5**	**205.2**	**9.0**	**17.8**	**121.3**	**409.0**	**450.4**	**870.0**	**19.6**	**127.3**
307	Miscellaneous plastics products	10.1	157.0	7.4	14.3	96.1	301.3	377.3	688.0	16.5	97.5
32	**Stone, clay, and glass products**	**5.0**	**98.0**	**3.8**	**7.7**	**67.1**	**173.8**	**174.7**	**347.1**	**11.2**	**50.6**
33	**Primary metal industries**	**17.1**	**374.2**	**12.2**	**23.8**	**230.7**	**854.5**	**1 015.2**	**1 823.9**	**49.3**	**503.8**
331	Blast furnace and basic steel products	3.2	87.4	2.3	4.7	60.6	316.6	302.0	600.9	12.7	116.8
335	Nonferrous rolling and drawing	9.6	209.0	6.6	12.7	125.6	396.6	599.4	970.5	32.9	354.3

See footnotes at end of table.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
191.4	**3 983.2**	**109.8**	**207.5**	**1 875.7**	**8 056.8**	**9 958.6**	**17 963.1**	**892.2**	**2**	**2**	**6**	**Colo.**
22.2	**436.9**	**13.8**	**25.8**	**223.5**	**1 064.5**	**3 089.3**	**4 123.3**	**118.7**	**1**	**2**	**4**	**20**
4.8	69.0	4.0	7.1	52.6	100.0	1 625.6	1 724.0	5.0	3	122	6	201
3.0	62.2	2.0	3.8	36.8	178.7	100.4	278.8	4.7	1	1	22	205
6.8	184.3	2.5	5.3	60.9	384.9	614.4	990.4	(D)	1	1	(X)	208
3.1	**32.2**	**2.3**	**4.2**	**22.4**	**77.5**	**60.1**	**139.3**	**.9**	**1**	**2**	**9**	**23**
3.8	**53.3**	**3.1**	**5.8**	**39.2**	**99.7**	**135.6**	**236.4**	**5.0**	**4**	**5**	**35**	**24**
18.3	**294.9**	**9.8**	**16.8**	**130.1**	**718.4**	**335.3**	**1 048.4**	**48.1**	**8**	**6**	**28**	**27**
6.7	101.7	2.2	3.6	32.6	223.2	110.2	333.4	11.3	18	13	5	271
5.2	81.3	4.0	7.1	56.2	171.2	106.1	275.7	14.7	1	1	86	275
5.1	**96.2**	**3.7**	**6.9**	**63.6**	**242.8**	**179.0**	**410.2**	**21.4**	**1**	**3**	**9**	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	307
8.8	**166.7**	**6.8**	**12.7**	**112.8**	**356.3**	**340.8**	**695.0**	**34.7**	**1**	**3**	**48**	**32**
4.5	80.0	3.4	6.7	57.5	171.4	210.6	381.9	(D)	1	2	(X)	327
5.4	**151.0**	**3.9**	**7.4**	**113.2**	**198.5**	**294.4**	**501.6**	**(D)**	**5**	**9**	**(X)**	**33**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	331
16.9	**347.5**	**11.5**	**21.9**	**207.1**	**675.9**	**583.6**	**1 289.9**	**34.6**	**3**	**3**	**25**	**34**
3.6	65.5	2.6	4.9	40.7	113.9	177.8	308.1	9.1	2	3	3	344
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	348
2.8	50.8	2.1	3.7	31.6	99.2	83.8	186.6	6.8	6	12	55	349
29.3	**647.9**	**15.8**	**32.0**	**277.3**	**1 342.0**	**1 059.1**	**2 336.2**	**104.2**	**6**	**7**	**15**	**35**
3.6	71.1	2.1	3.9	36.7	149.7	134.1	283.4	9.9	2	6	15	353
17.3	419.0	7.9	16.9	144.2	883.1	737.6	1 551.2	159.1	8	10	15	357
3.0	50.2	2.4	4.7	37.2	88.2	41.6	131.0	5.3	5	6	75	359
17.4	**333.6**	**10.8**	**20.3**	**158.5**	**676.1**	**709.6**	**1 365.1**	**90.2**	**5**	**8**	**20**	**36**
9.0	190.6	5.8	10.7	101.1	429.4	513.1	926.6	36.0	2	2	3	366
4.4	65.3	3.0	5.9	31.8	94.9	81.0	174.8	35.6	17	26	39	367
3.2	63.3	1.5	2.8	19.4	125.5	88.2	209.8	15.6	1	1	1	369
12.8	**331.0**	**8.5**	**16.8**	**198.3**	**772.6**	**547.7**	**1 345.0**	**(D)**	**1**	**1**	**(X)**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
20.4	**487.1**	**10.0**	**18.1**	**177.2**	**1 232.9**	**1 143.6**	**2 374.6**	**149.6**	**1**	**1**	**2**	**38**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	382
2.4	43.4	1.4	2.6	16.1	105.2	50.9	155.9	13.7	3	3	36	384
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	386
4.1	**56.2**	**3.0**	**5.5**	**36.0**	**129.1**	**94.0**	**223.0**	**(D)**	**5**	**18**	**(D)**	**39**
13.7	**361.7**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**--**
424.4	**9 059.6**	**245.0**	**478.8**	**4 095.0**	**16 373.4**	**13 697.3**	**30 066.5**	**1 054.2**	**1**	**1**	**2**	**Conn.**
9.5	**152.1**	**5.9**	**13.2**	**85.1**	**546.4**	**681.7**	**1 218.4**	**41.0**	**2**	**5**	**17**	**20**
4.0	70.2	2.3	6.4	37.9	157.2	146.3	303.4	12.7	1	4	2	205
7.5	**103.0**	**6.0**	**11.4**	**71.4**	**216.2**	**244.3**	**460.0**	**7.9**	**4**	**6**	**11**	**22**
9.1	**97.5**	**7.7**	**13.4**	**67.7**	**218.0**	**236.0**	**456.3**	**8.8**	**3**	**3**	**36**	**23**
4.3	44.4	3.7	6.2	31.7	82.3	102.4	190.9	2.0	3	2	10	233
2.4	**32.8**	**1.9**	**3.9**	**25.2**	**51.9**	**67.2**	**118.4**	**8.6**	**3**	**10**	**48**	**24**
4.5	**67.8**	**3.2**	**6.1**	**39.5**	**154.8**	**103.7**	**262.6**	**2.3**	**2**	**5**	**1**	**25**
7.0	**141.6**	**5.5**	**11.5**	**97.6**	**485.0**	**459.3**	**940.1**	**44.8**	**1**	**2**	**7**	**26**
3.4	61.2	2.5	5.1	38.0	115.8	146.0	261.7	5.7	1	3	23	265
24.7	**433.1**	**13.9**	**25.9**	**216.2**	**938.2**	**556.8**	**1 497.2**	**55.8**	**2**	**2**	**12**	**27**
6.9	108.9	2.2	3.8	34.1	236.9	79.3	316.1	10.8	4	5	23	271
9.3	161.9	7.3	13.9	113.8	315.5	243.5	559.5	26.8	3	2	16	275
13.8	**338.4**	**6.7**	**13.8**	**131.3**	**1 204.8**	**964.8**	**2 163.5**	**87.1**	**1**	**1**	**1**	**28**
4.4	120.7	2.3	5.1	49.4	362.5	161.6	522.5	(D)	1	1	(X)	283
2.6	50.2	1.3	2.8	21.0	449.7	228.0	672.7	15.0	1	1	1	284
12.2	**202.1**	**8.9**	**17.2**	**118.8**	**423.5**	**432.6**	**863.1**	**36.9**	**6**	**3**	**14**	**30**
9.7	153.6	7.1	13	92.2	326.5	365.4	699.5	32.7	7	5	17	307
4.9	**92.4**	**3.7**	**7.6**	**64.4**	**171.0**	**182.4**	**351.0**	**13.0**	**2**	**3**	**24**	**32**
17.8	**356.0**	**12.8**	**24.3**	**223.0**	**619.9**	**1 024.2**	**1 667.7**	**67.9**	**1**	**2**	**5**	**33**
3.3	82.4	2.4	4.7	54.5	133.2	344.9	488.6	14.3	1	3	1	331
10.2	196.9	7.0	13.1	115.9	346.7	572.6	930.4	45.6	1	4	7	335

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983 All employees Number (1,000)	 All employees Payroll (million dollars)	 Production workers Number (1,000)	 Production workers Hours (millions)	 Production workers Wages (million dollars)	 Value added by manufacture (million dollars)	 Cost of materials (million dollars)	 Value of shipments (million dollars)	 New capital expenditures (million dollars)	 End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Conn.	**Connecticut**—Con.										
34	**Fabricated metal products**	**45.2**	**866.1**	**32.6**	**65.8**	**532.9**	**1 852.1**	**1 235.0**	**3 087.1**	**79.3**	**611.0**
342	Cutlery, hand tools, and hardware	10.4	202.0	7.4	15.6	123.7	517.4	244.5	752.9	21.4	180.5
344	Fabricated structural metal products	5.7	122.5	3.5	7.0	62.6	244.9	229.0	470.9	14.0	54.2
345	Screw machine products, bolts, etc.	5.7	105.2	4.3	8.6	67.2	219.3	109.9	321.7	6.8	54.7
346	Metal forgings and stampings	6.6	122.8	5.1	10.2	80.5	230.2	226.5	460.2	9.8	70.7
347	Metal services, n.e.c.	3.4	61.3	2.3	5.1	39.5	175.0	63.7	198.9	5.4	12.7
348	Ordnance and accessories, n.e.c.	4.2	87.4	3.2	6.1	55.6	161.8	88.6	263.8	5.6	121.3
349	Miscellaneous fabricated metal products	7.5	135.7	5.5	10.6	85.3	27[illegible].4	200.9	485.1	13.5	92.8
35	**Machinery, except electrical**	**48.7**	**1 075.2**	**29.7**	**59.2**	**563.4**	**2 138.3**	**1 194.9**	**3 413.8**	**105.3**	**672.6**
351	Engines and turbines	2.9	67.9	1.8	3.7	43.1	175.8	72.1	257.6	5.3	51.8
354	Metalworking machinery	10.1	220.9	6.5	12.7	121.9	302.5	193.4	535.0	21.5	176.1
355	Special industry machinery	5.6	121.4	2.9	5.5	53.8	261.4	220.0	480.9	7.8	117.8
356	General industrial machinery	11.6	254.7	8.0	15.8	163.3	488.7	276.4	783.5	17.1	218.7
357	Office and computing machines	9.1	230.9	3.2	6.8	60.5	566.0	252.5	836.3	48.0	217.5
359	Miscellaneous machinery, except electrical	7.2	138.8	5.8	11.8	98.9	251.2	106.3	351.0	(D)	51.6
36	**Electric and electronic equipment**	**46.6**	**927.8**	**29.5**	**57.3**	**446.9**	**2 201.7**	**1 508.6**	**3 664.9**	**127.4**	**794.2**
361	Electric distributing equipment	4.7	98.0	3.2	6.0	52.5	226.2	157.8	376.9	15.8	107.2
362	Electrical industrial apparatus	4.2	73.4	2.6	4.8	35.9	139.9	131.1	277.8	8.2	59.1
363	Household appliances	2.9	54.4	1.9	3.8	30.8	193.0	107.8	298.2	6.8	39.4
364	Electric lighting and wiring equipment	6.5	122.9	4.6	9.0	71.0	344.6	192.6	538.9	14.2	103.1
366	Communication equipment	10.5	257.2	4.7	9.6	84.6	525.8	268.7	778.0	21.8	203.8
367	Electronic components and accessories	12.8	217.0	9.5	18.1	123.2	495.9	360.2	842.3	47.0	136.2
369	Miscellaneous electrical equipment and supplies	4.9	101.9	2.9	5.8	47.6	268.1	285.8	540.2	13.7	143.6
37	**Transportation equipment**	**84.3**	**2 253.3**	**47.1**	**96.1**	**1 093.2**	**4 252.2**	**3 891.7**	**8 287.4**	**237.6**	**2 872.1**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
372	Aircraft and parts	59.8	1 705.0	32.1	65.4	810.0	3 365.8	3 455.9	6 955.2	204.1	2 768.1
373	Ship and boat building and repairing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**21.7**	**430.8**	**12.4**	**23.9**	**233.0**	**1 212.0**	**728.5**	**1 951.9**	**57.9**	**445.0**
382	Measuring and controlling devices	8.0	164.0	4.4	8.8	72.2	311.9	155.1	470.5	17.7	112.4
383	Optical instruments and lenses	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
384	Medical instruments and supplies	5.5	97.0	3.6	7.[illegible]	58.3	382.5	215.4	596.7	29.7	[illegible]3.0
39	**Miscellaneous manufacturing industries**	**10.7**	**199.2**	**7.5**	**14.1**	**113.3**	**449.5**	**300.1**	**755.2**	**22.5**	**154.4**
396	Costume jewelry and notions	3.9	64.0	2.9	5.6	40.8	137.1	85.7	219.9	7.0	38.7
—	**Auxiliaries**[2]	**48.8**	**1 622.1**	-	-	-	-	-	-	-	-
Del.	**Delaware**	**66.2**	**1 827.2**	**31.6**	**62.4**	**620.0**	**2 857.4**	**6 676.8**	**9 558.6**	**246.9**	**1 016.3**
20	**Food and kindred products**	**8.3**	**109.0**	**6.3**	**12.5**	**70.0**	**501.0**	**836.3**	**1 335.7**	**35.2**	**132.1**
201	Meat products	3.6	38.9	2.9	5.9	27.8	89.5	244.5	333.1	5.1	9.1
26	**Paper and allied products**	**2.6**	**53.7**	**1.8**	**3.6**	**33.6**	**102.7**	**403.5**	**537.8**	**4.0**	**28.7**
28	**Chemicals and allied products**	**7.0**	**200.6**	**4.5**	**9.0**	**120.9**	**798.1**	**892.7**	**1 682.5**	**(D)**	**254.0**
282	Plastics materials and synthetics	3.5	99.9	2.5	5.0	64.0	343.3	493.8	835.2	(D)	127.1
37	**Transportation equipment**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**2.8**	**78.0**	**1.4**	**2.7**	**27.1**	**249.4**	**145.2**	**392.7**	**(D)**	**104.1**
--	Auxiliaries[2]	22.5	884.8	-	-	-	-	-	-	-	-
D.C.	**District of Columbia**	**16.5**	**395.2**	**6.4**	**11.7**	**119.7**	**1 134.2**	**524.1**	**1 661.3**	**69.9**	**99.0**
27	**Printing and publishing**	**11.7**	**264.1**	**4.3**	**7.8**	**81.4**	**957.1**	**402.1**	**1 385.0**	**(D)**	**70.8**
271	Newspapers	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
272	Periodicals	2.8	69.4	.2	.5	3.2	316.4	205.6	527.3	(D)	41.2
Fla.	**Florida**	**453.0**	**8 252.9**	**2[illegible]1.0**	**574.6**	**4 127.6**	**19 294.4**	**22 754.7**	**41 718.7**	**1 352.0**	**6 185.7**
20	**Food and kindred products**	**43.9**	**717.1**	**30.8**	**62.3**	**432.2**	**3 048.6**	**5 794.7**	**8 855.3**	**197.8**	**928.4**
201	Meat products	5.2	75.7	4.5	9.3	57.4	108.3	783.0	891.4	18.6	28.8
202	Dairy products	2.7	41.1	1.6	3.1	20.2	190.7	362.4	552.7	13.1	25.7
203	Preserved fruits and vegetables	10.4	155.5	8.3	17.0	109.0	853.5	1 828.6	2 737.9	54.6	476.7
205	Bakery products	5.9	108.0	3.5	6.5	52.1	267.6	194.3	461.4	5.8	11.6
206	Sugar and confectionery products	3.0	59.4	2.3	5.2	44.5	22[illegible].4	523.4	732.5	8.7	127.2
208	Beverages	7.0	148.4	3.4	6.9	70.4	711.1	821.3	1 527.9	76.8	73.3
209	Miscellaneous foods and kindred products	8.2	104.9	6.6	12.7	66.6	595.8	991.8	1 572.8	19.3	166.9
22	**Textile mill products**	**2.5**	**29.2**	**2.1**	**4.0**	**21.4**	**47.8**	**72.9**	**121.6**	**1.0**	**21.1**
23	**Apparel and other textile products**	**32.9**	**308.5**	**28.3**	**50.0**	**232.9**	**573.0**	**539.2**	**1 108.1**	**8.4**	**156.4**
232	Men's and boys' furnishings	5.1	46.4	4.3	7.7	34.9	92.2	76.6	167.4	.8	23.2
233	Women's and misses' outerwear	16.7	145.9	14.4	24.7	109.8	264.2	248.5	515.3	2.1	64.0
239	Miscellaneous fabricated textile products	5.0	55.6	4.1	7.7	37.8	109.0	122.9	228.8	3.5	36.5
24	**Lumber and wood products**	**21.8**	**292.1**	**18.0**	**34.0**	**207.6**	**582.8**	**1 068.8**	**1 655.2**	**23.3**	**141.4**
241	Logging camps and logging contractors	3.0	41.2	2.5	4.3	29.4	108.1	287.6	394.8	5.3	30.4
242	Sawmills and planing mills	3.2	39.6	2.8	5.9	32.7	92.3	174.1	264.6	3.4	21.3
243	Millwork, plywood, and structural members	7.8	99.9	6.3	11.8	70.4	172.2	211.1	388.6	6.5	39.9
245	Wood buildings and mobile homes	5.3	86.9	4.2	8.0	55.8	160.2	304.7	464.8	3.9	24.9
25	**Furniture and fixtures**	**11.4**	**142.1**	**9.1**	**17.0**	**92.5**	**324.2**	**279.0**	**605.8**	**3.5**	**93.9**
251	Household furniture	6.9	77.1	5.8	10.6	52.8	194.7	182.1	380.7	1.3	58.0

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Conn.
45.8	**813.5**	**33.8**	**65.4**	**513.5**	**1 751.4**	**1 188.3**	**2 985.4**	**98.6**	**1**	**2**	**9**	**34**
10.9	192.1	7.8	14.9	120.0	488.7	237.7	745.9	25.3	2	2	5	342
4.2	84.2	2.8	5.5	46.6	161.6	174.8	344.2	8.2	3	2	7	344
5.8	98.2	4.4	8.5	63.5	189.6	105.8	300.4	14.0	2	4	21	345
6.5	115.6	5.1	10.4	78.2	227.0	205.5	435.6	13.6	5	3	26	346
3.3	54.8	2.7	5.3	37.2	112.9	72.6	185.5	10.2	4	12	50	347
5.7	106.2	4.4	8.0	69.4	233.9	172.3	337.4	9.5	1	1	2	348
7.7	134.0	5.5	10.5	81.3	277.6	202.7	487.4	12.8	2	3	37	349
55.1	**1 152.0**	**34.1**	**67.1**	**621.9**	**2 122.9**	**1 279.1**	**3 476.4**	**149.1**	**1**	**2**	**5**	**35**
3.6	75.5	2.6	4.8	50.1	183.0	86.1	274.0	16.1	1	1	1	351
12.2	262.2	8.1	15.5	150.2	420.4	236.7	683.0	23.0	2	6	19	354
6.2	131.5	3.5	7.1	64.1	290.9	201.1	501.5	13.6	4	5	15	355
14.8	298.9	9.8	19.6	187.4	489.2	337.0	872.2	35.3	2	4	6	356
8.8	204.8	3.1	5.8	50.1	407.3	231.5	625.6	37.2	1	2	1	357
7.2	136.9	5.7	11.6	97.6	244.4	106.5	351.2	(D)	2	4	(X)	359
45.9	**851.4**	**29.1**	**57.2**	**413.4**	**1 945.7**	**1 343.4**	**3 282.9**	**129.1**	**2**	**2**	**7**	**36**
4.8	90.9	3.2	6.0	49.4	160.2	140.4	320.6	12.2	1	1	1	361
4.0	68.6	2.4	4.4	32.0	129.5	112.1	244.9	6.1	3	4	13	362
2.9	49.9	2.1	4.0	30.3	176.7	101.7	279.4	5.4	1	1	1	363
6.6	118.2	4.5	8.6	66.7	304.6	184.7	496.5	14.3	2	4	23	364
10.1	228.0	4.8	9.7	72.2	490.5	271.4	736.1	33.6	2	3	4	366
12.2	193.6	8.9	18.0	113.7	420.2	249.1	671.0	44.9	4	5	13	367
5.0	99.0	3.1	6.3	47.7	257.0	278.6	522.0	12.3	3	3	33	369
85.2	**2 171.7**	**49.6**	**97.5**	**1 075.6**	**3 760.2**	**3 751.1**	**7 417.3**	**198.6**	**1**	**1**	**2**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
61.3	1 649.2	35.2	68.2	811.5	2 952.8	3 339.8	6 200.5	184.2	1	1	2	372
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	373
23.4	**440.6**	**13.5**	**26.7**	**208.3**	**1 262.4**	**777.1**	**2 017.3**	**78.9**	**2**	**1**	**13**	**38**
9.1	171.9	4.9	9.9	73.7	344.1	162.0	506.0	12.0	3	4	29	382
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	383
5.9	94.7	4.2	7.9	55.5	405.3	182.7	576.5	49.2	2	1	17	384
10.6	**185.9**	**7.5**	**14.2**	**105.3**	**428.1**	**299.0**	**720.9**	**22.5**	**3**	**3**	**17**	**39**
3.8	59.5	2.9	5.5	37.5	121.8	79.3	206.3	6.5	4	5	15	396
43.3	**1 401.1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**
57.0	**1 742.9**	**31.7**	**60.5**	**557.0**	**2 466.7**	**5 891.2**	**8 382.8**	**322.1**	**1**	**3**	**9**	**Del.**
8.4	**108.9**	**6.5**	**12.9**	**71.2**	**476.5**	**822.4**	**1 297.5**	**21.5**	**2**	**8**	**55**	**20**
3.8	37.9	3.2	6.2	30.3	45.5	279.9	326.1	6.1	5	1	1	201
2.7	**51.5**	**1.8**	**3.7**	**32.4**	**117.6**	**340.0**	**456.9**	**7.0**	**1**	**1**	**3**	**26**
6.7	**171.2**	**4.5**	**8.2**	**100.9**	**614.5**	**739.9**	**1 386.3**	**(D)**	**2**	**3**	**(X)**	**28**
3.8	93.6	2.7	4.7	57.7	256.3	461.0	744.1	(D)	1	1	(X)	282
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
2.8	**66.2**	**1.5**	**2.8**	**25.6**	**278.0**	**133.2**	**402.5**	**(D)**	**1**	**1**	**(X)**	**38**
24.1	869.2	-	-	-	-	-	-	-	1	(X)	(X)	—
16.7	**393.7**	**6.4**	**12.0**	**125.3**	**928.6**	**606.4**	**1 537.1**	**55.1**	**1**	**1**	**5**	**D.C.**
11.7	**266.7**	**4.3**	**8.1**	**88.0**	**774.1**	**502.2**	**1 278.9**	**(D)**	**2**	**1**	**(X)**	**27**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	271
3.2	73.2	.5	1.0	6.1	290.9	212.4	506.3	(D)	4	2	(X)	272
454.4	**7 773.2**	**292.2**	**566.6**	**3 955.8**	**18 111.8**	**20 610.8**	**38 683.3**	**1 960.6**	**1**	**1**	**3**	**Fla.**
45.3	**718.4**	**31.0**	**63.9**	**430.3**	**2 914.6**	**5 770.6**	**8 717.2**	**237.5**	**2**	**3**	**10**	**20**
4.8	67.6	4.1	8.1	52.2	109.3	705.9	815.1	6.6	4	9	6	201
3.3	58.0	1.7	3.7	27.4	239.0	570.8	808.1	15.3	29	42	28	202
11.4	159.2	6.9	18.9	113.1	857.5	1 690.2	2 538.3	73.7	1	2	2	203
6.2	108.6	3.3	6.7	49.5	255.7	180.4	436.2	18.8	4	4	15	205
2.6	52.7	1.9	4.8	38.6	127.7	424.4	600.5	47.2	2	2	3	206
7.0	148.0	3.3	7.0	71.2	667.3	946.8	1 614.7	42.5	3	4	25	208
8.6	101.8	6.9	13.0	66.8	586.0	969.8	1 552.3	29.8	2	2	2	209
3.0	**32.0**	**2.5**	**4.9**	**24.3**	**62.7**	**75.7**	**140.6**	**5.4**	**20**	**21**	**42**	**22**
33.5	**301.8**	**28.6**	**49.8**	**226.2**	**570.2**	**503.3**	**1 077.5**	**27.8**	**2**	**2**	**5**	**23**
4.9	43.3	4.2	7.0	32.9	87.3	66.9	155.4	15.7	1	2	14	232
17.0	145.6	14.5	24.8	106.3	265.5	237.7	504.2	6.7	2	3	5	233
5.1	51.9	4.2	7.8	38.7	109.6	115.7	225.3	2.7	8	6	5	239
19.0	**245.3**	**15.5**	**28.6**	**176.5**	**434.8**	**850.3**	**1 298.7**	**28.1**	**3**	**4**	**20**	**24**
2.7	35.0	2.1	3.6	25.6	60.5	219.1	281.4	8.7	4	2	52	241
2.6	30.3	2.3	4.6	25.3	59.6	131.4	189.8	6.0	16	11	23	242
7.1	89.3	5.7	10.5	64.9	143.9	186.7	332.0	7.0	4	7	46	243
4.2	65.1	3.3	6.1	42.3	120.4	228.9	350.2	2.3	5	7	12	245
11.7	**145.1**	**9.4**	**17.4**	**98.3**	**321.0**	**296.8**	**621.4**	**9.9**	**3**	**4**	**30**	**25**
7.0	77.6	5.8	10.6	55.6	188.4	184.5	377.3	5.7	2	2	14	251

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Fla.	**Florida**—Con.										
26	**Paper and allied products**	14.6	330.7	11.3	22.9	241.2	699.1	1 362.9	2 064.9	153.3	273.0
264	Miscellaneous converted paper products	4.4	80.2	3.6	6.9	60.1	170.4	332.3	488.8	(D)	74.9
265	Paperboard containers and boxes	3.7	68.6	2.8	5.6	44.8	147.2	287.8	435.2	10.8	61.6
27	**Printing and publishing**	47.0	738.3	24.7	45.1	338.7	1 805.5	898.7	2 686.9	91.2	159.0
271	Newspapers	22.2	354.0	7.5	13.7	102.5	1 086.2	366.3	1 452.4	65.1	46.8
274	Miscellaneous publishing	3.1	41.2	1.6	1.7	9.2	83.6	30.3	111.7	2.7	10.8
275	Commercial printing	14.0	213.6	11.0	20.7	159.9	401.9	340.4	740.1	14.6	58.7
28	**Chemicals and allied products**	22.3	481.8	14.6	29.7	275.6	1 608.5	3 013.8	4 591.6	123.4	623.8
282	Plastics materials and synthetics	4.3	108.4	3.0	5.8	69.5	290.2	552.4	833.5	(D)	109.9
283	Drugs	3.7	68.5	2.3	4.4	28.4	199.9	122.5	324.4	(D)	63.7
287	Agricultural chemicals	7.6	167.6	5.4	11.0	111.9	617.3	1 756.8	2 353.9	56.9	267.1
30	**Rubber and miscellaneous plastics products**	14.5	185.0	12.2	23.5	128.8	432.2	389.2	806.0	20.8	138.7
302	Rubber and plastics footwear	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
307	Miscellaneous plastics products	10.6	137.5	8.7	17.1	94.8	341.6	312.6	637.3	13.1	116.5
31	**Leather and leather products**	4.3	37.8	3.9	7.2	30.5	76.6	45.5	124.9	1.2	(S)
32	**Stone, clay, and glass products**	18.9	341.5	13.8	30.3	228.4	894.3	1 178.1	2 056.3	63.5	181.5
327	Concrete, gypsum, and plaster products	12.4	210.6	8.8	20.1	138.2	623.8	875.0	1 484.7	51.7	94.4
33	**Primary metal industries**	4.2	78.3	3.4	7.2	55.5	230.7	406.8	643.3	15.1	89.3
34	**Fabricated metal products**	30.9	510.1	23.6	46.3	335.9	1 036.3	1 363.9	2 430.1	45.8	415.6
344	Fabricated structural metal products	17.8	283.8	13.1	25.8	175.9	577.9	738.7	1 328.8	14.2	236.2
349	Miscellaneous fabricated metal products	3.8	64.9	2.9	6.0	40.8	138.5	128.0	278.8	9.3	50.8
35	**Machinery, except electrical**	32.8	750.8	18.2	36.1	289.1	1 718.8	2 307.6	3 884.4	115.7	792.8
354	Metalworking machinery	2.8	52.4	2.0	4.1	33.5	97.1	46.6	146.0	8.7	27.1
355	Special industry machinery	2.9	57.4	1.6	3.3	26.7	119.2	92.6	210.3	6.4	58.2
356	General industrial machinery	3.8	65.9	2.1	4.5	29.9	186.6	89.5	265.8	6.9	61.4
357	Office and computing machines	12.9	387.5	4.5	8.7	80.0	964.8	1 743.3	2 580.4	77.0	518.1
358	Refrigeration and service machinery	2.5	41.3	1.7	3.2	22.3	89.5	113.4	201.2	3.5	37.0
359	Miscellaneous machinery, except electrical	4.9	78.0	4.1	8.2	60.7	125.3	72.9	195.1	3.3	24.2
36	**Electric and electronic equipment**	67.5	1 452.7	37.3	75.6	558.1	3 393.2	1 784.2	5 067.5	307.3	1 059.9
366	Communication equipment	40.7	958.5	19.8	38.9	303.5	2 128.7	1 184.2	3 306.5	209.4	740.8
367	Electronic components and accessories	14.9	270.0	9.5	20.9	141.2	634.7	250.1	867.4	51.0	148.4
369	Miscellaneous electrical equipment and supplies	5.0	109.0	3.4	6.9	55.9	291.8	164.8	460.3	38.3	77.1
37	**Transportation equipment**	46.5	1 095.1	26.1	50.8	457.3	2 063.0	1 433.8	3 339.1	136.3	789.0
371	Motor vehicles and equipment	3.9	55.8	3.1	5.6	39.7	148.9	222.5	373.0	(D)	53.5
372	Aircraft and parts	15.3	384.8	7.2	14.8	142.3	661.1	392.6	936.8	37.9	447.2
373	Ship and boat building and repairing	13.2	235.0	10.8	20.8	175.2	417.8	459.9	864.9	36.1	151.1
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	11.6	210.9	7.4	15.1	102.4	447.7	244.3	696.6	22.9	165.5
383	Optical instruments and lenses	3.0	69.0	1.4	3.2	27.6	124.9	64.1	182.9	4.7	52.5
384	Medical instruments and supplies	3.3	59.6	2.5	5.0	32.8	162.7	73.1	233.1	3.4	47.2
39	**Miscellaneous manufacturing industries**	8.7	115.9	6.6	12.1	65.6	272.0	249.0	520.9	8.8	114.9
399	Miscellaneous manufactures	3.9	55.7	3.0	5.4	33.8	118.5	85.5	205.5	5.1	33.6
—	**Auxiliaries**[2]	13.4	383.2	-	-	-	-	-	-	-	-
Ga.	**Georgia**	506.5	8 596.3	372.4	729.9	5 304.9	22 031.2	31 964.7	53 704.9	1 350.3	7 516.5
20	**Food and kindred products**	48.7	756.8	35.9	69.9	487.1	2 508.3	5 104.0	7 633.3	117.8	518.2
201	Meat products	18.7	214.0	16.2	31.8	166.1	445.9	1 568.3	2 011.9	23.2	71.4
203	Preserved fruits and vegetables	4.2	65.3	3.3	6.2	42.5	229.2	325.5	553.4	18.6	85.2
205	Bakery products	8.5	169.4	5.4	9.6	104.2	539.8	324.2	862.2	15.6	28.8
206	Sugar and confectionery products	3.6	68.6	2.9	6.9	51.5	257.9	524.7	776.9	22.0	61.9
208	Beverages	4.8	100.1	2.2	4.7	46.4	502.6	712.4	1 215.2	17.0	65.1
209	Miscellaneous foods and kindred products	3.3	42.1	2.5	3.9	23.2	158.7	210.3	399.6	3.0	28.5
22	**Textile mill products**	94.5	1 367.6	81.0	165.5	1 041.8	3 446.8	6 885.7	10 202.7	219.2	1 372.5
221	Weaving mills, cotton	15.7	227.8	14.5	28.4	192.1	369.3	605.9	974.1	51.5	128.1
222	Weaving mills, synthetics	14.0	208.6	11.9	25.0	165.1	444.6	660.4	1 095.1	31.4	155.5
225	Knitting mills	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
226	Textile finishing, except wool	6.1	87.1	5.1	10.9	61.1	259.3	393.7	654.1	13.0	79.6
227	Floor covering mills	26.1	405.3	21.1	43.1	274.6	1 490.6	3 431.7	4 824.0	57.6	647.2
228	Yarn and thread mills	18.8	258.0	16.7	34.5	209.3	475.9	1 066.7	1 526.0	43.4	189.0
229	Miscellaneous textile goods	5.2	72.7	4.4	8.5	56.0	186.0	377.8	569.5	10.5	86.3
23	**Apparel and other textile products**	78.3	740.7	65.7	118.7	543.4	1 679.6	1 660.0	3 315.3	48.0	509.2
231	Men's and boys' suits and coats	6.9	77.1	6.1	11.6	56.4	112.2	161.8	280.9	3.6	53.5
232	Men's and boys' furnishings	33.8	307.4	29.4	53.9	236.0	681.6	538.3	1 209.0	12.2	180.4
233	Women's and misses' outerwear	14.4	131.8	11.4	20.1	91.7	305.5	370.9	665.5	10.3	84.4
234	Women's and children's undergarments	7.4	67.1	5.7	10.4	46.5	206.5	135.8	330.9	10.1	69.9
236	Children's outerwear	5.5	47.4	4.7	7.6	39.1	99.8	40.9	139.2	2.3	25.4
239	Miscellaneous fabricated textile products	8.6	95.6	6.9	12.5	61.0	250.3	389.0	642.4	9.4	87.2

See footnotes at end of table.

1982 – Con.

explanation of terms see appendixes]

1982									Standard error of estimate (percent) for column[1] –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
15.3	**325.8**	**11.9**	**23.6**	**237.6**	**674.8**	**1 361.4**	**2 013.5**	**203.1**	**1**	**2**	**7**	**Fla. 26**
4.6	77.3	3.7	7.2	57.5	169.4	314.4	483.0	(D)	1	5	(X)	264
3.9	67.4	2.9	5.7	44.5	148.3	290.9	439.6	23.7	1	2	10	265
44.6	**670.2**	**22.0**	**40.9**	**301.3**	**1 703.1**	**847.4**	**2 548.6**	**122.1**	**3**	**4**	**9**	**27**
21.9	328.7	6.4	11.7	93.5	962.1	359.1	1 321.0	73.7	1	1	8	271
2.1	31.6	.9	1.7	11.6	64.6	25.9	90.4	2.6	38	16	12	274
13.6	200.5	10.4	19.4	137.6	391.4	298.0	689.7	33.7	2	3	31	275
22.7	**477.7**	**14.6**	**29.4**	**268.4**	**1 402.1**	**2 873.2**	**4 300.5**	**409.3**	**2**	**3**	**4**	**28**
4.5	103.8	3.1	5.8	64.1	244.2	491.9	735.6	(D)	2	7	(X)	282
3.6	64.3	2.1	4.0	28.3	212.6	127.1	336.5	(D)	4	2	(X)	283
8.0	175.4	5.5	11.4	110.9	510.8	1 700.4	2 244.9	191.7	1	3	6	287
16.0	**200.1**	**13.2**	**25.0**	**142.3**	**421.8**	**412.8**	**845.5**	**38.2**	**4**	**3**	**17**	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	302
12.1	153.2	9.7	18.7	105.1	327.4	338.9	669.2	33.9	5	3	26	307
4.7	**39.7**	**4.2**	**7.5**	**32.3**	**73.3**	**62.3**	**135.4**	**2.2**	**23**	**27**	**35**	**31**
18.4	**311.3**	**13.6**	**28.0**	**209.9**	**680.9**	**886.6**	**1 570.7**	**124.4**	**4**	**7**	**25**	**32**
12.1	193.2	8.6	18.3	126.3	435.1	629.0	1 065.2	36.7	6	9	31	327
4.3	**72.4**	**3.3**	**6.5**	**49.9**	**195.7**	**413.8**	**612.9**	**18.5**	**7**	**10**	**24**	**33**
29.6	**476.3**	**22.2**	**43.2**	**303.4**	**1 008.6**	**1 308.3**	**2 321.3**	**56.9**	**2**	**4**	**13**	**34**
16.4	258.6	11.7	23.3	151.3	550.1	694.7	1 247.5	21.3	3	4	16	344
4.1	60.1	3.0	5.7	37.6	122.6	136.4	256.6	7.3	4	16	35	349
33.5	**667.4**	**18.8**	**37.8**	**270.7**	**1 785.8**	**1 383.1**	**3 130.5**	**177.8**	**3**	**1**	**7**	**35**
3.2	52.2	2.4	4.7	34.6	92.0	47.5	141.5	13.4	10	3	78	354
3.0	55.9	1.7	3.4	27.6	108.2	78.0	186.4	5.4	3	7	11	355
4.1	70.5	2.6	5.3	37.7	186.7	99.4	291.3	13.8	4	2	23	356
12.7	324.8	4.7	9.8	69.7	1 066.9	880.4	1 901.7	109.8	1	1	1	357
2.2	33.8	1.5	3.0	19.9	72.8	83.5	157.2	5.8	7	6	27	358
4.4	65.2	3.5	6.8	46.8	121.0	52.4	173.9	9.0	13	11	51	359
67.3	**1 319.8**	**37.8**	**74.4**	**534.3**	**2 707.3**	**1 538.0**	**4 252.1**	**287.1**	**2**	**1**	**4**	**36**
38.3	849.0	18.2	35.6	274.3	1 711.1	1 000.8	2 683.7	179.5	1	1	2	366
16.0	246.9	10.8	21.5	135.1	486.1	226.3	734.6	73.9	4	3	20	367
5.4	104.2	3.6	7.5	54.8	242.0	125.1	367.3	29.7	13	7	6	369
47.2	**1 049.0**	**26.8**	**53.0**	**448.1**	**2 220.3**	**1 241.3**	**3 395.8**	**152.3**	**2**	**2**	**6**	**37**
3.4	47.8	2.6	5.0	32.9	144.4	203.7	346.0	(D)	6	3	(X)	371
15.3	374.5	7.4	14.6	139.4	788.8	369.9	1 131.8	44.0	1	3	13	372
14.9	250.9	12.1	24.1	187.4	465.7	449.1	905.8	34.3	3	4	3	373
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
12.4	**188.8**	**8.2**	**16.1**	**107.2**	**511.0**	**291.1**	**782.6**	**26.5**	**2**	**2**	**20**	**38**
2.6	37.8	1.4	3.0	21.4	97.2	71.9	171.4	4.4	1	1	1	383
3.5	53.5	2.6	4.6	30.1	163.0	64.8	222.5	10.7	7	3	24	384
8.5	**106.5**	**6.2**	**11.4**	**62.4**	**234.0**	**240.1**	**473.4**	**11.8**	**9**	**10**	**33**	**39**
4.2	55.3	3.1	5.6	32.4	116.9	97.3	215.6	6.6	4	12	53	399
14.4	**377.5**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
503.0	**7 905.7**	**368.4**	**705.0**	**4 863.9**	**19 191.8**	**29 101.3**	**48 056.0**	**1 921.7**	**1**	**1**	**4**	**Ga.**
50.6	**745.7**	**37.1**	**73.6**	**472.6**	**2 456.6**	**4 946.3**	**7 385.6**	**146.6**	**2**	**2**	**7**	**20**
18.6	202.5	16.1	31.3	160.8	348.7	1 448.4	1 806.9	20.6	2	3	8	201
4.2	61.9	3.2	6.2	36.6	207.7	303.4	512.0	12.7	2	3	29	203
9.1	164.5	5.6	12.0	96.8	523.8	310.7	833.8	16.3	4	2	9	205
3.5	61.2	2.6	5.2	40.2	211.5	478.7	683.7	18.6	4	3	18	206
5.1	106.5	2.6	5.5	53.1	510.4	746.4	1 255.5	39.1	1	3	11	208
3.8	44.6	3.1	5.8	29.4	217.3	225.2	430.7	7.0	8	22	16	209
91.6	**1 183.0**	**78.4**	**151.3**	**901.6**	**2 811.3**	**5 817.2**	**8 636.7**	**285.4**	**1**	**2**	**4**	**22**
17.1	206.0	15.7	28.7	176.1	309.2	540.9	866.9	91.1	1	1	1	221
13.2	177.5	11.1	22.2	137.5	414.4	533.8	951.7	50.0	1	1	2	222
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	225
5.5	68.6	4.6	9.2	49.4	166.3	302.2	471.1	16.3	1	5	33	226
23.9	347.5	19.2	38.9	234.0	1 149.0	2 813.4	3 948.1	51.0	2	3	4	227
17.1	205.0	15.3	28.3	166.4	373.1	866.7	1 241.5	30.2	2	2	11	228
5.5	70.6	4.7	8.6	54.3	194.4	405.6	596.0	10.8	2	1	3	229
73.7	**683.3**	**62.8**	**113.9**	**509.9**	**1 615.3**	**1 577.0**	**3 174.3**	**42.1**	**2**	**4**	**15**	**23**
5.8	62.9	5.2	9.9	45.1	121.6	147.9	259.9	3.6	11	5	5	231
32.9	295.0	28.6	51.1	224.5	720.7	568.0	1 280.8	14.3	4	9	9	232
12.9	114.0	10.7	19.2	85.3	254.3	302.2	551.8	9.0	2	4	22	233
6.6	53.6	5.3	9.9	42.8	175.4	139.3	316.0	4.4	3	4	66	234
4.8	44.0	4.3	7.6	35.1	86.6	38.9	123.0	2.0	1	1	17	236
9.0	94.9	7.3	13.7	66.5	232.8	360.0	597.6	8.4	9	5	14	239

Table 2. **Statistics by Selected Industry Group for the United States and States: 1983 and**

[Includes operating manufacturing establishments and auxiliaries Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Ga.	**Georgia**—Con.										
24	**Lumber and wood products**	**29.0**	**380.6**	**24.7**	**48.4**	**294.8**	**910.9**	**1 520.9**	**2 418.7**	**92.6**	**223.5**
241	Logging camps and logging contractors	5.9	60.6	5.4	8.9	52.0	172.5	246.7	416.9	13.2	36.7
242	Sawmills and planing mills	7.9	110.8	6.9	14.5	88.8	269.4	466.0	721.8	52.2	77.8
243	Millwork, plywood, and structural members	5.3	77.7	4.6	9.1	59.1	165.1	293.6	461.6	14.9	43.0
245	Wood buildings and mobile homes	5.0	74.8	4.1	8.1	52.0	170.1	336.4	507.7	5.3	23.9
249	Miscellaneous wood products	3.1	36.8	2.2	4.2	27.1	99.9	141.7	238.7	4.8	34.5
25	**Furniture and fixtures**	**10.2**	**127.8**	**8.5**	**15.0**	**89.9**	**314.7**	**261.8**	**572.2**	**(D)**	**83.1**
251	Household furniture	5.7	61.3	4.9	9.4	44.8	130.6	145.8	275.8	(D)	44.0
26	**Paper and allied products**	**27.4**	**677.2**	**21.3**	**42.9**	**489.8**	**1 793.8**	**2 840.8**	**4 638.1**	**212.4**	**488.8**
261	Pulp mills	3.1	90.7	2.5	4.7	66.9	203.0	328.6	532.6	(D)	71.0
262	Paper mills, except building paper	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
263	Paperboard mills	5.8	180.5	4.5	9.4	139.3	456.1	788.5	1 250.3	38.7	89.6
264	Miscellaneous converted paper products	8.3	165.8	6.6	13.2	116.7	558.4	779.2	1 334.7	47.4	159.4
265	Paperboard containers and boxes	6.5	135.0	4.9	9.9	90.5	300.0	544.9	847.0	(D)	101.7
27	**Printing and publishing**	**20.9**	**380.3**	**12.5**	**25.3**	**211.2**	**895.8**	**569.1**	**1 451.6**	**44.9**	**102.1**
271	Newspapers	6.4	105.3	2.2	5.2	37.3	301.8	115.4	416.4	26.2	12.3
275	Commercial printing	8.7	175.6	6.5	12.8	121.5	354.7	322.1	665.3	12.4	56.0
28	**Chemicals and allied products**	**17.1**	**367.6**	**10.6**	**21.0**	**205.3**	**1 807.4**	**2 122.0**	**3 935.6**	**138.0**	**446.6**
284	Soaps, cleaners, and toilet goods	3.9	78.9	2.3	4.6	38.0	503.4	377.4	884.1	17.5	90.5
30	**Rubber and miscellaneous plastics products**	**15.6**	**267.5**	**12.2**	**24.5**	**181.4**	**725.9**	**828.9**	**1 548.4**	**42.2**	**172.8**
301	Tires and inner tubes	2.5	62.2	2.0	4.1	45.5	191.2	182.0	369.9	(D)	45.1
307	Miscellaneous plastics products	9.9	162.6	7.6	15.0	103.9	448.4	524.8	970.2	25.1	104.6
32	**Stone, clay, and glass products**	**13.9**	**255.4**	**10.2**	**20.5**	**176.0**	**720.1**	**712.1**	**1 411.7**	**73.3**	**171.9**
327	Concrete, gypsum, and plaster products	6.1	94.3	4.0	8.2	57.2	258.7	322.0	571.6	44.5	39.5
33	**Primary metal industries**	**11.0**	**234.6**	**8.4**	**17.0**	**156.6**	**416.1**	**981.4**	**1 433.0**	**49.0**	**183.1**
335	Nonferrous rolling and drawing	6.2	137.1	4.5	9.5	86.9	225.7	646.0	900.9	41.2	107.1
34	**Fabricated metal products**	**18.9**	**325.3**	**14.8**	**29.5**	**221.4**	**749.1**	**1 053.6**	**1 798.1**	**25.4**	**298.2**
344	Fabricated structural metal products	8.9	148.8	6.4	12.3	91.3	305.7	513.0	826.2	7.4	135.3
346	Metal forgings and stampings	3.1	45.6	2.8	5.5	36.3	93.4	128.3	214.2	2.4	42.8
35	**Machinery, except electrical**	**21.5**	**384.0**	**15.3**	**30.5**	**227.1**	**883.3**	**879.7**	**1 778.4**	**57.4**	**383.9**
352	Farm and garden machinery	3.1	46.8	2.1	4.1	25.8	120.4	216.4	341.8	6.5	111.5
355	Special industry machinery	3.5	66.5	2.3	4.5	35.8	157.8	92.9	261.8	3.1	58.6
356	General industrial machinery	3.9	75.8	2.7	5.5	45.1	167.5	152.6	321.9	4.1	63.0
358	Refrigeration and service machinery	3.6	61.2	2.8	5.6	44.6	173.3	191.7	357.1	11.7	54.2
359	Miscellaneous machinery, except electrical	3.1	49.2	2.5	5.1	34.6	80.6	38.0	124.8	1.7	12.1
36	**Electric and electronic equipment**	**22.8**	**412.8**	**15.8**	**31.0**	**248.2**	**1 261.6**	**1 416.8**	**2 613.6**	**61.8**	**446.0**
361	Electric distributing equipment	3.5	80.0	2.4	4.2	47.3	145.6	176.6	331.0	6.1	60.6
364	Electric lighting and wiring equipment	3.5	57.7	2.5	5.0	36.5	130.7	259.0	382.9	(D)	65.2
366	Communication equipment	3.7	83.4	2.3	4.2	35.3	198.3	306.2	490.6	10.9	72.0
369	Miscellaneous electrical equipment and supplies	4.5	73.6	2.9	6.3	54.2	239.0	217.6	446.9	12.8	52.6
37	**Transportation equipment**	**34.9**	**943.4**	**21.8**	**44.6**	**526.7**	**2 380.8**	**4 021.8**	**6 332.0**	**102.3**	**1 304.1**
371	Motor vehicles and equipment	12.0	320.5	10.0	19.9	240.4	928.1	3 008.7	3 912.6	37.9	215.6
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**7.0**	**121.6**	**4.9**	**9.4**	**69.2**	**363.9**	**209.6**	**562.6**	**11.5**	**137.7**
382	Measuring and controlling devices	2.6	49.4	1.8	3.6	29.0	103.7	82.3	196.5	4.1	51.8
39	**Miscellaneous manufacturing industries**	**6.1**	**92.1**	**4.9**	**9.2**	**63.1**	**228.7**	**190.1**	**408.2**	**21.9**	**93.8**
—	**Auxiliaries**[2]	**23.9**	**662.2**	-	-	-	-	-	-	-	-
Hawaii	**Hawaii**	**22.6**	**375.9**	**14.9**	**29.0**	**223.8**	**1 045.9**	**2 382.2**	**3 414.5**	**60.6**	**407.2**
20	**Food and kindred products**	**10.8**	**174.9**	**6.9**	**13.7**	**105.9**	**460.0**	**717.1**	**1 192.5**	**39.9**	**159.0**
203	Preserved fruits and vegetables	3.4	36.9	2.7	4.3	29.6	100.2	136.5	236.7	2.6	71.4
206	Sugar and confectionery products	3.7	63.5	2.9	5.8	43.6	230.5	257.1	504.2	20.9	38.0
23	**Apparel and other textile products**	**3.1**	**31.3**	**2.5**	**4.9**	**23.1**	**92.3**	**49.1**	**110.1**	**1.1**	**15.8**
27	**Printing and publishing**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Ga.
26.3	**321.4**	**22.1**	**42.2**	**246.1**	**680.8**	**1 281.5**	**1 969.1**	**68.3**	**3**	**5**	**29**	**24**
5.4	53.7	4.7	7.9	47.0	140.3	205.1	349.3	13.0	6	10	42	241
7.3	90.5	6.1	12.4	70.5	171.9	398.1	572.8	32.7	4	11	51	242
4.4	64.5	3.7	7.6	48.6	119.7	238.8	359.1	12.9	7	5	9	243
4.6	59.6	3.6	7.1	40.7	130.4	275.2	404.9	3.0	5	8	22	245
2.8	35.2	2.3	4.2	25.5	86.0	129.9	215.2	5.8	3	7	33	249
9.4	**110.9**	**7.8**	**14.3**	**79.2**	**267.9**	**248.2**	**514.6**	**(D)**	**2**	**3**	**(X)**	**25**
5.6	55.6	4.8	8.6	40.3	125.0	134.8	260.2	(D)	3	7	(X)	251
28.0	**622.7**	**21.4**	**42.0**	**445.6**	**1 724.2**	**2 675.3**	**4 409.9**	**552.8**	**1**	**1**	**5**	**26**
3.1	81.5	2.3	4.2	58.4	190.0	346.1	549.5	(D)	2	2	(X)	261
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	262
5.9	172.3	4.5	9.5	129.8	463.4	731.4	1 186.6	90.2	1	1	1	263
8.6	153.6	6.6	12.8	109.9	526.8	711.6	1 243.0	38.1	1	2	13	264
6.7	124.4	5.1	10.2	81.7	297.7	526.5	824.1	(D)	3	3	(X)	265
24.4	**375.7**	**13.7**	**26.4**	**201.0**	**856.4**	**533.3**	**1 385.9**	**58.4**	**15**	**5**	**23**	**27**
9.1	114.3	2.6	5.1	34.5	291.9	106.0	391.9	9.7	44	11	39	271
9.4	170.5	7.1	13.9	115.3	343.9	305.7	650.9	37.7	8	6	11	275
19.2	**369.7**	**12.0**	**23.9**	**206.0**	**1 750.1**	**2 070.4**	**3 836.1**	**189.9**	**3**	**2**	**3**	**28**
3.6	71.8	2.2	4.4	33.8	478.4	380.3	860.6	12.5	2	3	6	284
14.9	**232.6**	**11.9**	**22.8**	**163.0**	**580.5**	**776.9**	**1 363.8**	**49.5**	**4**	**4**	**11**	**30**
2.6	59.1	2.0	3.9	41.9	144.8	174.3	322.3	(D)	1	1	(X)	301
9.2	135.4	7.4	13.8	92.9	355.2	494.6	850.5	28.7	6	6	17	307
14.4	**234.3**	**10.8**	**21.5**	**163.6**	**583.1**	**634.5**	**1 213.7**	**53.0**	**15**	**10**	**34**	**32**
6.0	87.1	4.1	8.4	54.6	191.6	282.0	473.3	15.3	10	19	55	327
12.2	**230.2**	**9.4**	**16.8**	**154.2**	**355.7**	**1 033.7**	**1 398.9**	**71.1**	**1**	**2**	**1**	**33**
6.6	137.7	5.0	9.4	88.4	252.5	587.5	850.9	56.3	1	3	1	335
19.5	**309.2**	**15.0**	**29.4**	**211.0**	**736.1**	**986.1**	**1 723.3**	**39.8**	**2**	**2**	**8**	**34**
9.5	146.5	6.9	13.3	92.2	339.8	497.9	835.1	13.2	3	5	23	344
2.9	39.9	2.5	4.9	31.5	77.9	96.9	175.8	3.8	1	4	9	346
22.6	**373.1**	**15.7**	**30.0**	**218.0**	**871.2**	**758.4**	**1 648.9**	**74.1**	**2**	**3**	**27**	**35**
3.2	48.9	2.2	4.0	26.1	128.7	189.6	323.9	7.1	2	1	13	352
4.3	73.8	2.6	5.1	37.7	167.7	103.4	273.0	5.0	7	11	29	355
4.2	68.9	3.0	5.5	42.4	177.0	122.0	302.6	21.7	2	1	22	356
2.9	48.0	2.1	4.4	31.5	125.1	133.8	264.1	6.8	1	2	5	358
3.2	48.6	2.6	5.1	34.4	90.1	46.6	136.9	20.7	4	8	53	359
22.7	**417.8**	**15.8**	**29.5**	**245.0**	**977.0**	**1 166.5**	**2 161.1**	**58.2**	**4**	**1**	**5**	**36**
4.2	86.1	2.0	4.7	48.8	187.9	158.8	349.1	10.0	1	1	1	361
3.1	50.1	2.3	4.4	31.1	137.3	222.7	360.3	(D)	1	1	(X)	364
5.1	108.0	3.2	5.8	48.9	207.4	248.4	459.0	13.4	4	4	5	366
3.7	69.0	2.9	5.7	51.1	195.5	192.4	399.9	9.1	16	2	20	369
34.0	**652.6**	**22.5**	**42.0**	**473.2**	**1 750.0**	**3 593.8**	**5 061.0**	**116.6**	**1**	**1**	**2**	**37**
13.5	304.6	11.2	19.5	235.9	747.6	2 461.4	3 207.5	57.1	1	1	4	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
5.5	**87.4**	**3.9**	**7.4**	**47.2**	**267.1**	**150.6**	**416.8**	**15.7**	**1**	**1**	**3**	**38**
1.5	23.0	1.0	1.9	12.5	56.8	55.9	117.4	2.8	1	1	9	382
6.2	**83.6**	**5.1**	**10.9**	**57.5**	**216.4**	**213.1**	**426.1**	**27.0**	**2**	**5**	**5**	**39**
23.0	**584.9**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**
23.6	**360.3**	**16.0**	**29.9**	**217.5**	**1 119.6**	**2 357.5**	**3 443.0**	**89.4**	**5**	**5**	**12**	**Hawaii**
11.1	**161.2**	**7.7**	**14.7**	**102.5**	**398.6**	**678.7**	**1 079.5**	**52.2**	**8**	**7**	**16**	**20**
3.3	36.1	2.5	4.6	29.6	96.7	137.3	234.0	7.4	1	2	14	203
3.6	61.6	2.8	5.9	42.6	159.7	265.0	428.1	28.3	2	1	4	206
3.4	**31.1**	**2.8**	**5.1**	**22.9**	**56.5**	**47.6**	**106.6**	**3.0**	**6**	**33**	**26**	**23**
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**27**

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Idaho	**Idaho**	**48.5**	**342.9**	**35.3**	**65.4**	**587.6**	**2 436.2**	**3 385.5**	**5 827.1**	**139.1**	**747.5**
20	**Food and kindred products**	**13.6**	**209.6**	**10.9**	**19.9**	**145.3**	**759.6**	**1 596.3**	**2 317.7**	**28.4**	**308.4**
203	Preserved fruits and vegetables	8.9	130.8	7.6	13.0	99.9	418.5	413.9	830.9	23.5	126.3
24	**Lumber and wood products**	**11.6**	**238.9**	**10.2**	**19.1**	**199.3**	**449.9**	**774.9**	**1 234.3**	**17.9**	**187.6**
241	Logging camps and logging contractors	2.6	59.0	2.3	4.1	51.7	120.2	186.9	302.7	2.2	52.9
242	Sawmills and planing mills	5.0	106.5	4.5	8.8	90.3	194.9	330.0	546.4	7.8	96.5
243	Millwork, plywood, and structural members	2.6	48.2	2.3	4.2	39.2	90.5	153.4	235.2	7.4	26.5
27	**Printing and publishing**	**2.8**	**37.4**	**1.6**	**2.7**	**20.9**	**91.4**	**37.9**	**128.8**	**.5**	**8.8**
28	**Chemicals and allied products**	**3.3**	**90.4**	**1.9**	**3.6**	**48.3**	**328.9**	**327.9**	**670.7**	**34.8**	**61.0**
35	**Machinery, except electrical**	**5.0**	**115.8**	**3.4**	**7.0**	**67.5**	**329.5**	**215.1**	**509.1**	**22.0**	**58.1**
357	Office and computing machines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
—	**Auxiliaries**[2]	**2.7**	**81.2**	-	-	-	-	-	-	-	-
Ill.	**Illinois**	**1 024.3**	**22 908.9**	**640.2**	**1 225.3**	**11 878.6**	**49 733.9**	**64 374.8**	**114 750.5**	**2 935.7**	**17 206.8**
20	**Food and kindred products**	**87.9**	**1 820.6**	**63.5**	**124.2**	**1 211.9**	**7 252.6**	**12 804.9**	**20 897.9**	**385.5**	**1 488.6**
201	Meat products	13.5	276.4	11.0	22.7	211.2	549.4	2 815.2	3 361.3	24.4	118.1
202	Dairy products	4.8	97.5	2.8	5.6	54.8	321.3	933.9	1 251.7	24.0	63.8
203	Preserved fruits and vegetables	9.6	176.2	7.5	14.7	120.9	810.6	1 113.6	1 923.3	18.8	224.5
204	Grain mill products	11.1	268.5	8.0	16.3	185.9	1 540.1	1 896.2	3 439.0	107.3	208.3
205	Bakery products	14.5	307.4	9.9	18.7	203.7	824.9	536.9	1 365.4	17.4	50.4
206	Sugar and confectionery products	15.1	281.8	12.3	22.4	206.9	1 213.4	1 047.2	2 263.3	69.0	236.2
207	Fats and oils	5.1	121.9	3.7	7.8	81.7	697.3	3 006.6	3 658.4	48.1	335.9
208	Beverages	7.6	157.0	4.0	7.8	72.7	758.7	887.5	1 669.5	55.6	109.0
209	Miscellaneous foods and kindred products	6.6	133.8	4.4	8.2	74.1	536.8	567.9	1 166.0	20.9	153.4
23	**Apparel and other textile products**	**17.1**	**210.4**	**13.6**	**23.4**	**138.2**	**493.3**	**495.5**	**985.7**	**7.9**	**147.2**
231	Men's and boys' suits and coats	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
233	Women's and misses' outerwear	4.9	53.8	4.1	6.9	38.4	137.6	79.9	216.2	4.4	23.5
239	Miscellaneous fabricated textile products	4.9	65.8	4.0	7.2	42.6	146.4	218.4	359.4	.9	55.2
24	**Lumber and wood products**	**10.2**	**158.3**	**7.9**	**14.5**	**104.9**	**439.6**	**367.9**	**794.0**	**14.1**	**118.8**
243	Millwork, plywood, and structural members	3.7	65.9	2.8	5.5	44.4	113.4	150.5	260.4	4.3	49.1
249	Miscellaneous wood products	4.2	63.4	3.4	5.7	40.9	260.4	130.7	384.6	7.4	48.6
25	**Furniture and fixtures**	**19.0**	**347.7**	**14.2**	**27.6**	**223.8**	**688.9**	**752.7**	**1 432.2**	**24.1**	**259.9**
251	Household furniture	6.5	93.5	5.1	10.1	60.6	201.1	239.0	438.0	4.4	70.4
254	Partitions and fixtures	5.8	111.8	4.4	8.6	74.4	225.8	217.9	435.1	10.4	90.6
259	Miscellaneous furniture and fixtures	3.1	62.7	2.0	4.1	37.2	134.4	172.8	305.5	5.4	59.3
26	**Paper and allied products**	**31.7**	**651.6**	**23.1**	**48.3**	**406.8**	**1 541.5**	**2 012.3**	**3 542.5**	**118.2**	**436.9**
2[illegible]	Miscellaneous converted paper products	14.7	291.2	10.6	22.0	172.9	798.7	915.9	1 711.2	60.2	221.8
265	Paperboard containers and boxes	15.6	322.9	11.4	23.8	204.9	651.0	993.9	1 637.9	51.4	185.2
27	**Printing and publishing**	**103.4**	**2 160.1**	**59.7**	**114.2**	**1 145.2**	**4 993.3**	**3 032.4**	**8 041.1**	**266.9**	**703.4**
271	Newspapers	20.0	371.1	8.0	13.8	143.2	852.6	313.2	1 166.2	30.3	38.2
272	Periodicals	11.8	267.0	2.3	4.8	52.8	779.9	361.3	1 130.6	59.2	78.7
273	Books	8.1	171.6	1.8	3.5	30.0	724.2	306.1	1 033.3	25.5	171.2
274	Miscellaneous publishing	2.9	50.0	1.0	1.7	13.7	166.5	164.0	309.9	1.4	45.0
275	Commercial printing	43.2	962.4	33.4	65.2	578.9	1 782.3	1 480.6	3 309.7	129.5	245.4
276	Manifold business forms	3.5	75.2	2.5	5.0	50.6	182.7	194.9	378.5	6.7	37.6
278	Blankbooks and bookbinding	7.8	121.9	6.2	11.8	79.8	254.3	138.0	388.1	8.1	62.8
279	Printing trade services	5.5	131.5	4.0	7.4	90.4	228.1	61.7	289.5	7.6	18.9
28	**Chemicals and allied products**	**48.1**	**1 194.3**	**26.0**	**53.5**	**555.7**	**5 700.1**	**5 547.3**	**11 227.6**	**498.1**	**1 390.4**
281	Industrial inorganic chemicals	3.4	91.0	2.3	4.7	57.0	384.7	331.1	704.4	18.9	93.8
282	Plastics materials and synthetics	4.4	117.0	3.0	5.2	71.9	691.4	1 067.0	1 765.4	185.4	270.1
283	Drugs	11.8	321.4	3.5	6.9	73.9	1 075.8	311.7	1 374.9	98.2	156.9
284	Soaps, cleaners, and toilet goods	11.3	243.4	7.4	15.3	147.1	1 887.9	1 221.5	3 113.9	59.7	312.2
285	Paints and allied products	5.8	128.7	2.8	5.8	47.3	474.2	619.9	1 086.0	34.2	152.1
286	Industrial organic chemicals	4.1	117.4	2.6	5.2	69.6	456.4	942.3	1 395.3	68.7	187.9
289	Miscellaneous chemical products	6.3	154.5	3.7	7.5	75.8	649.1	829.9	1 474.1	14.5	167.0
29	**Petroleum and coal products**	**7.5**	**229.2**	**5.1**	**10.3**	**146.5**	**999.2**	**9 465.2**	**10 543.8**	**81.8**	**894.8**
291	Petroleum refining	5.0	174.7	3.5	7.3	116.1	809.2	9 113.3	10 005.2	66.9	783.8
30	**Rubber and miscellaneous plastics products**	**41.6**	**765.1**	**32.0**	**62.7**	**503.3**	**1 835.9**	**1 991.7**	**3 852.4**	**122.3**	**454.0**
301	Tires and inner tubes	4.5	125.5	3.4	7.0	93.4	364.4	409.1	809.3	21.5	87.5
306	Fabricated rubber products, n.e.c.	2.7	45.9	2.0	4.1	28.0	104.2	93.9	195.1	4.5	21.8
307	Miscellaneous plastics products	33.3	573.8	25.7	49.7	367.4	1 325.4	1 448.5	2 764.4	95.1	329.7
31	**Leather and leather products**	**4.6**	**50.3**	**4.1**	**7.4**	**41.7**	**101.7**	**119.4**	**220.4**	**2.7**	**39.0**
32	**Stone, clay, and glass products**	**25.5**	**532.0**	**20.1**	**39.2**	**386.4**	**1 155.8**	**999.9**	**2 137.4**	**64.0**	**375.1**
322	Glass and glassware, pressed or blown	4.6	107.3	4.1	7.9	90.6	177.5	188.8	368.5	30.4	79.8
327	Concrete, gypsum, and plaster products	4.9	104.2	3.5	6.8	65.9	247.2	296.9	544.2	7.9	50.9
329	Miscellaneous nonmetallic mineral products	9.4	1[illegible]3.4	7.2	13.4	113.9	357.1	275.2	635.1	18.7	156.7

See footnotes at end of table

1982—Con.

explanation of terms, see appendixes]

1982												
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column¹			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
47.6	**864.8**	**34.0**	**62.6**	**545.2**	**2 076.5**	**3 222.5**	**5 369.6**	**147.3**	**1**	**2**	**2**	**Idaho**
13.5	**199.0**	**10.8**	**19.5**	**145.3**	**657.1**	**1 637.1**	**2 300.3**	**50.8**	**1**	**2**	**5**	**20**
8.6	120.0	7.3	12.4	90.2	392.0	414.3	808.7	27.4	1	1	4	203
10.9	**188.6**	**9.4**	**16.8**	**155.3**	**252.8**	**574.1**	**897.8**	**21.2**	**3**	**7**	**9**	**24**
2.6	46.3	2.2	3.8	39.2	65.9	153.8	245.3	5.5	4	17	22	241
4.8	66.6	4.3	7.4	72.8	99.9	242.3	381.7	13.5	4	10	19	242
1.9	35.6	1.7	3.4	29.5	51.6	107.6	163.8	1.4	4	7	2	243
2.8	**37.8**	**1.5**	**2.7**	**19.8**	**88.8**	**37.6**	**125.8**	**3.1**	**1**	**1**	**1**	**27**
3.2	**84.0**	**1.8**	**3.5**	**45.7**	**304.7**	**320.9**	**623.1**	**30.4**	**1**	**1**	**1**	**28**
5.2	**114.7**	**3.5**	**7.2**	**73.8**	**332.4**	**219.8**	**545.6**	**18.2**	**1**	**1**	**1**	**35**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	357
2.7	**77.8**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**--**
1 068.7	**22 680.9**	**669.6**	**1 256.4**	**11 931.4**	**47 704.6**	**64 144.8**	**112 928.8**	**3 372.3**	**1**	**1**	**2**	**Ill.**
88.0	**1 786.3**	**63.6**	**124.8**	**1 178.6**	**6 810.0**	**12 377.3**	**19 247.7**	**413.3**	**1**	**1**	**5**	**20**
12.6	266.7	10.2	21.2	207.4	538.7	2 690.5	3 230.4	25.1	1	3	9	201
4.8	94.1	2.8	5.5	52.1	331.5	894.3	1 226.8	19.0	1	3	42	202
9.8	187.5	7.4	14.6	122.9	731.1	1 096.7	1 827.8	29.9	2	1	12	203
11.4	264.6	8.5	16.8	181.2	1 307.6	1 890.5	3 206.4	107.6	1	1	2	204
14.8	299.3	10.1	19.6	195.2	827.6	576.8	1 400.8	50.8	1	1	2	205
14.3	262.0	11.9	22.0	195.4	1 161.8	918.3	2 082.0	52.6	1	1	2	206
5.4	124.9	3.9	8.3	83.1	550.2	2 847.1	3 442.9	49.4	2	2	5	207
7.3	155.3	3.5	6.9	65.4	762.2	852.2	1 620.6	52.1	3	3	20	208
7.7	130.7	5.4	9.8	75.9	599.4	610.9	1 210.2	26.8	11	2	19	209
18.1	**227.6**	**14.1**	**25.4**	**143.4**	**453.7**	**483.3**	**944.2**	**11.3**	**2**	**2**	**44**	**23**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	231
5.3	55.6	4.4	7.4	39.2	113.7	77.4	194.2	2.0	2	3	80	233
5.0	67.1	4.1	7.7	42.8	135.7	215.8	355.5	5.5	4	5	29	239
9.5	**134.6**	**7.2**	**13.4**	**88.4**	**260.8**	**280.8**	**542.7**	**14.7**	**4**	**3**	**17**	**24**
3.2	53.9	2.3	4.5	34.8	86.4	102.5	191.5	2.9	3	4	22	243
4.1	51.7	3.1	5.7	34.0	114.0	92.9	204.8	6.2	4	4	24	249
18.9	**317.2**	**14.0**	**26.5**	**207.1**	**631.5**	**679.8**	**1 322.0**	**32.2**	**1**	**2**	**10**	**25**
6.5	89.5	5.1	9.8	57.7	180.0	209.9	390.5	6.2	2	3	42	251
5.9	108.7	4.3	8.1	70.2	233.3	234.4	469.1	15.6	2	2	10	254
3.4	55.4	2.3	4.3	37.7	110.5	147.3	261.2	5.1	2	3	9	259
32.3	**608.6**	**24.1**	**47.6**	**386.0**	**1 493.8**	**1 855.9**	**3 350.0**	**107.7**	**2**	**2**	**13**	**26**
14.6	265.5	10.7	21.3	164.5	770.3	800.5	1 570.2	50.1	2	2	6	264
16.2	307.3	12.2	23.8	193.4	635.1	961.3	1 596.2	52.7	2	4	28	265
101.8	**2 031.7**	**59.9**	**114.0**	**1 113.7**	**4 659.2**	**2 871.3**	**7 530.9**	**278.0**	**2**	**3**	**11**	**27**
19.6	352.6	7.5	13.6	138.2	783.6	309.4	1 093.5	44.3	2	1	7	271
10.7	228.5	2.9	5.0	53.8	61[illegible].4	380.[illegible]	992.9	19.7	10	15	40	272
7.9	161.6	1.7	3.7	29.2	702.5	285.5	993.9	19.8	2	1	6	273
2.7	46.7	1.0	1.7	14.5	134.[illegible]	161.6	295.5	1.3	2	2	24	274
44.4	932.0	34.4	66.7	666.6	1 805.[illegible]	1 342.5	3 147.8	157.2	2	4	11	275
3.6	76.0	2.6	5.0	52.3	174.[illegible]	200.0	373.3	13.2	1	4	25	276
6.5	97.7	5.1	9.8	65.3	208.7	125.0	330.0	7.0	11	4	14	278
5.6	127.8	4.1	7.5	88.2	215.0	55.6	269.8	14.7	3	3	48	279
48.4	**1 118.0**	**27.2**	**54.7**	**542.6**	**5 0[illegible].6**	**5 192.4**	**10 298.6**	**410.0**	**1**	**2**	**4**	**28**
3.6	89.7	2.4	5.0	55.5	338.1	314.3	661.6	56.8	2	2	8	281
3.5	88.6	2.3	4.9	53.1	299.8	800.8	1 124.5	52.9	1	6	1	282
11.0	271.2	3.5	6.8	69.9	966.6	287.8	1 266.3	102.6	1	1	1	283
11.7	235.1	8.0	15.9	142.6	1 836.8	1 181.6	3 007.5	73.9	1	3	4	284
5.9	129.1	3.3	6.5	56.8	408.0	611.7	1 026.5	18.6	4	3	20	285
4.7	127.1	3.0	6.4	78.0	454.8	890.9	1 354.7	65.0	1	2	3	286
6.7	152.0	3.8	7.5	72.7	609.3	777.7	1 391.1	32.3	2	2	11	289
8.6	**245.7**	**5.7**	**11.8**	**155.9**	**1 070.9**	**10 581.5**	**11 690.9**	**98.3**	**2**	**2**	**2**	**29**
5.9	185.2	4.1	8.6	121.7	916.3	10 091.4	11 030.8	61.5	1	1	1	291
42.7	**758.9**	**32.5**	**62.7**	**489.2**	**1 678.5**	**1 897.4**	**3 579.4**	**157.1**	**2**	**2**	**6**	**30**
4.7	116.2	3.6	6.8	84.7	288.6	389.4	674.9	18.8	4	3	4	301
2.5	40.2	1.9	3.8	28.2	96.4	81.3	182.9	5.3	11	9	34	306
34.3	583.1	26.1	50.5	361.7	1 251.3	1 392.1	2 645.8	131.1	2	3	8	307
4.8	**53.6**	**4.3**	**7.5**	**42.8**	**104.0**	**121.1**	**226.0**	**3.7**	**3**	**7**	**45**	**31**
25.3	**518.9**	**20.6**	**39.6**	**378.0**	**1 013.8**	**974.7**	**1 986.7**	**70.4**	**3**	**4**	**8**	**32**
5.1	112.5	4.5	8.7	94.8	212.6	207.3	410.6	25.7	1	1	1	322
5.2	103.1	3.8	7.2	70.7	230.9	267.0	498.2	10.8	13	10	37	327
9.6	173.9	7.2	13.7	112.1	321.4	262.5	593.5	19.2	2	2	17	329

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)[1]	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Ill.	**Illinois**—Con										
33	**Primary metal industries**	**53.5**	**1 348.6**	**40.3**	**76.6**	**920.2**	**2 345.[illegible]**	**4 887.7**	**7 191.2**	**135.2**	**1 441.4**
331	Blast furnace and basic steel products	22.6	614.9	17.0	31.2	423.2	946.8	2 417.6	3 366.2	45.7	621.4
332	Iron and steel foundries	8.7	216.8	6.7	12.3	155.8	339.0	296.5	634.3	24.0	75.1
335	Nonferrous rolling and drawing	10.1	260.6	7.1	14.4	170.3	547.4	1 232.4	1 738.9	40.8	375.2
336	Nonferrous foundries	6.9	131.9	5.7	11.3	93.4	241.6	210.1	450.8	15.4	37.6
339	Miscellaneous primary metal products	3.0	67.0	2.2	4.3	46.4	117.4	130.1	245.0	2.8	32.9
34	**Fabricated metal products**	**112.5**	**2 358.0**	**85.3**	**165.6**	**1 591.9**	**4 981.6**	**4 834.6**	**9 795.3**	**271.4**	**1 724.3**
341	Metal cans and shipping containers	7.0	177.6	5.8	11.8	140.0	498.1	748.2	1 195.5	27.0	176.7
342	Cutlery, hand tools, and hardware	12.8	248.3	9.6	18.0	151.7	532.0	362.1	891.1	23.8	212.0
343	Plumbing and heating, except electric	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
344	Fabricated structural metal products	16.9	327.6	12.1	22.1	198.8	702.2	839.5	1 534.4	42.2	297.4
345	Screw machine products, bolts, etc	14.2	297.0	10.8	22.0	206.2	571.2	434.0	1 014.5	42.7	197.2
346	Metal forgings and stampings	25.0	605.4	20.0	39.7	411.9	1 212.0	1 168.3	2 373.7	78.5	293.7
347	Metal services, n.e.c.	8.9	142.2	6.9	12.9	97.1	298.2	247.7	541.7	10.9	43.6
348	Ordnance and accessories, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
349	Miscellaneous fabricated metal products	21.7	426.7	15.8	30.5	275.9	881.4	839.7	1 749.1	30.9	402.6
35	**Machinery, except electrical**	**148.1**	**3 489.7**	**97.6**	**177.4**	**2 009.9**	**7 193.3**	**6 086.6**	**13 854.2**	**401.6**	**3 763.8**
351	Engines and turbines	9.6	251.0	6.9	10.7	163.0	637.6	779.7	1 492.2	32.9	323.8
352	Farm and garden machinery	15.2	398.1	9.7	17.4	239.0	982.0	1 023.3	2 053.6	30.7	395.2
353	Construction and related machinery	30.1	791.2	19.4	31.0	436.5	1 661.4	1 584.8	3 658.0	159.0	1 372.5
354	Metalworking machinery	24.4	575.7	16.8	32.5	357.5	917.9	525.1	1 483.5	57.7	374.5
355	Special industry machinery	9.3	214.8	5.4	10.4	114.6	422.5	275.1	703.8	11.2	188.5
356	General industrial machinery	23.3	514.0	15.0	28.5	297.2	1 087.8	764.8	1 822.6	45.1	589.0
357	Office and computing machines	7.6	170.3	3.6	6.9	62.0	344.8	291.9	633.0	21.1	185.2
358	Refrigeration and service machinery	11.6	233.0	7.5	13.8	124.5	534.2	539.0	1 073.4	16.2	234.7
359	Miscellaneous machinery, except electrical	16.9	341.6	13.3	26.2	225.6	605.1	302.8	934.2	27.8	100.3
36	**Electric and electronic equipment**	**119.6**	**2 382.1**	**78.4**	**148.3**	**1 271.9**	**5 243.9**	**4 764.9**	**10 048.8**	**264.1**	**2 077.1**
361	Electric distributing equipment	8.7	175.4	5.8	11.3	99.0	390.3	309.2	701.1	14.0	150.6
362	Electrical industrial apparatus	11.1	201.6	7.4	14.0	104.4	406.6	380.4	782.3	11.3	167.5
363	Household appliances	13.2	255.2	9.6	18.1	179.4	669.7	776.4	1 443.7	26.4	311.9
364	Electric lighting and wiring equipment	17.9	353.9	12.3	24.2	204.4	796.5	582.5	1 362.7	36.3	294.5
365	Radio and TV receiving equipment	3.6	60.0	2.4	4.6	31.7	163.2	290.7	470.3	11.1	85.7
366	Communication equipment	35.3	836.9	18.7	34.6	356.3	1 755.9	1 581.0	3 392.3	114.6	689.0
367	Electronic components and accessories	24.8	408.8	18.5	34.7	247.6	850.5	616.3	1 457.3	42.6	285.7
369	Miscellaneous electrical equipment and supplies	5.2	90.4	3.7	6.7	49.2	211.2	228.4	439.2	7.8	92.1
37	**Transportation equipment**	**37.5**	**922.6**	**26.7**	**52.7**	**589.1**	**2 124.6**	**4 116.8**	**6 242.7**	**143.7**	**882.5**
371	Motor vehicles and equipment	21.5	481.0	17.2	33.8	358.2	1 329.8	3 360.6	4 661.1	66.5	379.3
372	Aircraft and parts	6.1	175.6	2.9	6.2	72.4	378.5	242.3	618.6	(D)	198.7
374	Railroad equipment	7.8	226.2	5.0	9.8	131.7	318.5	396.5	741.9	42.3	278.2
38	**Instruments and related products**	**34.5**	**709.6**	**20.4**	**37.8**	**329.7**	**1 447.1**	**1 022.5**	**2 466.9**	**79.8**	**555.7**
362	Measuring and controlling devices	14.2	289.8	8.4	15.5	138.3	624.7	410.3	1 025.9	31.7	264.4
384	Medical instruments and supplies	10.1	201.7	6.6	11.9	99.8	367.7	259.9	628.1	28.0	120.3
386	Photographic equipment and supplies	4.9	113.3	2.2	4.0	40.5	272.3	197.7	475.5	10.2	83.6
39	**Miscellaneous manufacturing industries**	**27.0**	**463.3**	**19.8**	**37.4**	**269.0**	**977.4**	**972.2**	**1 968.2**	**50.0**	**425.6**
394	Toys and sporting goods	6.5	107.8	4.8	9.5	62.8	266.5	254.4	529.6	20.1	112.2
399	Miscellaneous manufactures	14.8	256.4	10.8	20.1	149.2	509.9	492.9	1 011.0	23.6	205.1
--	Auxiliaries[2]	92.0	3 018.2	-	-	-	-	-	-	-	-
Ind.	**Indiana**	**580.8**	**13 124.4**	**406.5**	**795.9**	**8 215.0**	**29 557.8**	**39 544.3**	**69 037.7**	**2 069.5**	**10 171.6**
20	**Food and kindred products**	**33.2**	**682.2**	**20.8**	**43.3**	**386.4**	**2 291.5**	**4 076.0**	**6 364.4**	**144.9**	**554.4**
201	Meat products	4.8	90.3	3.9	7.8	66.5	154.2	686.6	847.3	4.9	30.6
202	Dairy products	4.4	95.7	1.8	3.8	32.4	391.8	632.1	1 021.3	15.9	60.5
203	Preserved fruits and vegetables	4.2	60.7	3.5	6.4	43.1	224.5	304.0	529.2	29.5	59.0
204	Grain mill products	4.0	96.3	2.8	5.8	64.7	429.2	787.6	1 218.8	24.8	85.7
205	Bakery products	4.6	97.6	2.5	5.0	48.0	224.6	144.4	369.3	12.6	9.1
208	Beverages	6.0	144.4	2.9	6.6	67.6	511.7	583.3	1 093.0	32.8	160.3
209	Miscellaneous foods and kindred products	2.7	51.0	1.6	3.2	33.5	295.7	250.6	543.4	18.6	55.9
23	**Apparel and other textile products**	**7.6**	**93.3**	**6.2**	**11.5**	**57.9**	**212.0**	**239.2**	**449.2**	**(D)**	**80.1**
232	Men's and boys' furnishings	3.1	41.6	2.5	4.6	23.2	96.2	118.1	212.5	3.3	51.7
239	Miscellaneous fabricated textile products	2.6	32.1	2.0	3.8	21.1	75.9	88.3	164.4	(D)	20.3
24	**Lumber and wood products**	**20.4**	**317.5**	**17.0**	**33.0**	**242.4**	**608.0**	**963.3**	**1 571.1**	**45.5**	**170.0**
243	Millwork, plywood, and structural members	7.4	111.6	6.1	12.1	81.7	227.6	269.2	493.5	8.9	92.3
245	Wood buildings and mobile homes	7.9	145.4	6.6	13.3	117.1	273.0	538.0	809.0	27.5	33.3
25	**Furniture and fixtures**	**20.3**	**323.4**	**15.7**	**30.2**	**216.[illegible]**	**677.1**	**592.2**	**1 257.5**	**27.9**	**194.5**
251	Household furniture	11.2	167.9	9.1	16.8	123.2	304.8	320.2	623.1	11.7	88.3
252	Office furniture	4.2	66.2	3.2	6.3	44.1	159.9	110.9	264.5	5.6	52.7
26	**Paper and allied products**	**11.9**	**227.3**	**8.9**	**18.1**	**156.4**	**570.1**	**760.3**	**1 322.4**	**17.8**	**152.6**
264	Miscellaneous converted paper products	5.3	100.6	4.0	8.3	72.4	282.7	330.9	603.7	9.1	85.0
265	Paperboard containers and boxes	5.5	103.0	4.1	8.3	67.3	213.0	347.0	561.2	(D)	56.0
27	**Printing and publishing**	**27.5**	**485.4**	**16.3**	**29.6**	**281.1**	**1 056.3**	**633.6**	**1 687.6**	**51.0**	**145.3**
271	Newspapers	9.7	147.4	3.3	5.5	50.8	326.4	101.9	427.5	15.2	14.9
273	Books	3.2	72.2	2.4	4.6	49.9	161.6	91.9	253.3	13.9	32.8
275	Commercial printing	9.3	177.5	7.0	12.8	126.5	350.3	303.8	658.8	14.8	57.6

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Ill.
59.4	**1 405.9**	**44.2**	**78.0**	**957.9**	**2 148.7**	**4 520.3**	**6 872.8**	**276.8**	**2**	**2**	**3**	**33**
26.2	697.8	19.3	33.1	477.4	933.4	2 312.6	3 388.7	123.9	1	1	2	331
10.8	242.4	8.3	13.8	169.7	375.1	296.0	683.6	55.2	6	3	1	332
11.0	249.6	7.9	14.5	167.6	455.9	1 093.4	585.5	53.8	2	2	2	335
6.6	117.2	5.4	10.2	83.2	192.7	186.7	381.5	15.3	3	6	24	336
2.3	40.6	1.6	3.0	28.0	77.4	91.4	172.0	4.7	25	21	39	339
113.1	**2 268.5**	**84.4**	**160.3**	**1 503.7**	**4 502.2**	**4 445.1**	**9 066.1**	**319.4**	**2**	**2**	**10**	**34**
6.9	171.1	5.5	10.9	131.0	419.3	571.3	999.5	22.1	9	14	8	341
13.0	240.4	9.3	16.9	145.2	507.2	341.9	856.5	38.1	1	2	10	342
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	343
16.7	324.9	11.6	22.5	198.4	635.1	850.5	1 499.8	31.5	3	3	26	344
14.4	271.9	11.1	20.5	185.9	468.7	390.4	800.7	33.1	3	9	47	345
24.6	567.0	19.4	37.1	405.9	1 046.7	1 065.9	2 122.5	114.6	4	2	15	346
8.7	135.7	6.7	13.0	89.6	260.5	201.8	463.0	15.3	2	4	22	347
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	348
22.4	421.2	16.5	31.2	272.3	864.5	828.1	1 726.2	47.4	2	3	14	349
171.7	**3 846.3**	**113.6**	**202.6**	**2 278.1**	**8 112.2**	**7 533.6**	**16 002.0**	**647.6**	**1**	**1**	**4**	**35**
11.8	294.6	8.5	13.1	195.5	754.7	1 056.1	1 898.6	80.0	1	1	3	351
20.5	495.5	13.7	23.3	309.4	1 332.4	1 415.9	2 856.6	134.4	1	1	4	352
39.2	959.5	26.0	40.1	556.1	1 889.7	2 196.3	4 092.6	193.1	1	1	2	353
27.3	617.5	18.5	36.5	385.3	1 108.3	630.0	1 791.4	63.9	2	5	16	354
10.3	224.9	6.1	12.2	120.8	444.6	302.0	758.0	24.8	4	3	18	355
26.0	534.4	16.9	30.9	306.0	1 178.4	866.9	2 108.8	73.6	1	1	4	356
7.8	166.6	3.6	6.9	58.8	330.5	269.8	603.7	23.2	1	2	8	357
11.1	213.8	7.2	13.6	120.2	474.6	503.6	990.6	16.9	1	2	9	358
17.7	339.4	13.1	26.0	226.0	598.9	293.1	901.7	37.6	4	3	26	359
130.1	**2 467.9**	**84.5**	**158.2**	**1 312.5**	**5 244.4**	**4 853.4**	**10 255.9**	**313.3**	**1**	**1**	**3**	**36**
9.4	179.2	6.4	11.6	100.8	387.5	311.4	705.0	19.3	1	2	4	361
11.2	199.3	7.4	13.7	104.7	399.3	353.7	765.8	21.6	2	2	6	362
14.4	253.9	9.7	18.5	170.3	546.2	683.7	1 266.0	20.2	1	1	1	363
17.5	314.3	12.1	22.6	169.0	696.3	557.3	1 288.0	34.8	1	2	4	364
4.4	70.9	3.0	5.7	37.6	143.3	275.9	433.3	10.1	4	2	1	365
42.4	957.5	23.4	44.1	417.5	1 972.2	1 856.6	3 892.1	160.5	2	2	4	366
25.3	397.1	18.5	34.5	240.0	855.0	601.8	1 448.5	45.8	1	2	6	367
5.4	95.8	3.9	7.5	52.7	244.6	213.1	457.2	11.2	7	5	16	369
39.4	**883.1**	**28.2**	**51.7**	**557.7**	**1 801.1**	**3 252.7**	**5 081.8**	**109.4**	**1**	**1**	**3**	**37**
20.6	392.1	16.6	29.5	285.9	806.3	2 347.6	3 145.5	52.2	2	1	4	371
6.2	177.0	3.0	6.3	71.0	307.8	220.7	495.5	(D)	2	2	(X)	372
10.1	264.6	6.7	12.4	165.8	587.2	564.3	1 203.4	24.9	2	1	1	374
33.0	**642.0**	**19.1**	**34.9**	**292.7**	**1 383.0**	**964.0**	**2 366.1**	**61.1**	**2**	**2**	**3**	**38**
15.3	287.6	8.8	15.9	138.0	573.4	422.6	1 009.7	33.3	2	1	4	382
7.0	136.7	4.5	8.7	70.7	342.7	200.6	545.5	11.8	6	4	4	384
5.6	124.3	2.3	4.3	39.5	268.3	204.1	477.2	9.2	2	3	15	386
27.8	**472.7**	**20.1**	**38.6**	**273.1**	**1 092.9**	**1 157.5**	**2 255.7**	**45.6**	**3**	**3**	**12**	**39**
6.4	102.6	4.7	8.9	20.0	250.0	240.3	495.7	15.3	2	4	26	394
15.2	270.7	10.8	21.3	154.8	628.4	711.1	1 333.4	23.3	6	5	8	399
92.1	2 848.9	-	-	-	-	-	-	-	1	(X)	(X)	—
585.1	**12 559.3**	**406.0**	**750.1**	**7 821.4**	**25 747.0**	**35 762.3**	**63 331.9**	**2 232.7**	**1**	**1**	**2**	**Ind.**
32.9	**638.9**	**21.1**	**42.5**	**377.1**	**2 063.5**	**4 112.3**	**6 188.2**	**138.2**	**2**	**2**	**17**	**20**
5.4	95.7	4.1	8.0	72.1	164.1	773.0	936.2	5.1	8	7	29	201
4.0	85.2	1.8	3.7	31.6	306.6	615.1	915.8	33.3	1	1	13	202
3.8	56.7	3.1	6.4	41.9	198.1	292.0	489.7	9.9	6	2	10	203
4.0	91.9	2.8	5.8	61.9	372.4	765.2	1 142.3	19.4	1	1	18	204
4.9	97.0	2.9	5.6	53.3	270.0	199.2	469.6	24.8	1	3	15	205
5.8	126.8	3.0	6.4	63.9	492.6	535.7	1 024.0	22.8	3	4	25	208
2.2	38.9	1.5	2.8	22.8	177.1	173.3	346.1	10.1	4	5	40	209
7.9	**90.8**	**6.4**	**11.3**	**56.9**	**200.3**	**231.9**	**429.4**	**(D)**	**4**	**1**	**(X)**	**23**
3.2	39.2	2.5	4.4	21.8	90.0	119.6	206.4	1.7	1	1	1	232
2.6	30.2	2.0	3.5	20.0	69.1	79.6	149.3	(D)	7	2	(X)	239
15.3	**212.7**	**12.3**	**21.9**	**146.6**	**394.9**	**605.8**	**1 008.7**	**21.2**	**19**	**3**	**23**	**24**
6.7	97.7	5.5	10.3	68.7	181.0	213.3	400.6	7.0	3	4	11	243
3.6	60.4	2.6	4.6	37.1	107.5	250.0	358.6	6.3	47	4	36	245
20.2	**298.6**	**15.9**	**29.4**	**201.9**	**576.3**	**512.9**	**1 090.3**	**23.5**	**2**	**4**	**15**	**25**
11.9	169.9	9.9	18.2	127.1	281.2	294.9	577.3	8.2	2	2	23	251
3.9	56.1	3.0	5.4	35.9	135.8	99.4	234.1	8.5	5	8	26	252
12.0	**219.4**	**9.1**	**17.8**	**149.1**	**541.0**	**713.6**	**1 254.9**	**27.5**	**1**	**2**	**13**	**26**
5.4	96.4	4.1	8.3	67.2	257.0	302.7	555.6	10.0	1	2	23	264
5.5	98.5	4.1	7.8	64.6	200.3	331.1	535.6	(D)	1	3	(X)	265
28.3	**475.4**	**16.5**	**30.9**	**273.1**	**1 005.3**	**609.1**	**1 624.5**	**63.4**	**4**	**3**	**6**	**27**
9.7	140.6	3.2	5.5	50.1	299.7	99.7	399.5	24.1	1	2	4	271
3.5	71.9	2.2	4.2	45.0	146.1	87.3	240.0	3.8	2	3	1	273
9.6	171.9	7.4	14.4	125.7	365.9	294.6	660.8	22.1	10	5	3	275

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Ind.	**Indiana**—Con.										
28	**Chemicals and allied products**	**25.9**	**780.4**	**11.3**	**22.0**	**261.6**	**3 138.9**	**2 540.0**	**5 628.4**	**276.5**	**752.8**
283	Drugs	15.9	521.9	5.2	10.2	115.9	1 726.7	1 016.2	2 721.6	151.1	383.0
284	Soaps, cleaners, and toilet goods	2.8	73.0	1.6	3.1	42.0	416.4	398.3	806.5	(D)	100.8
29	**Petroleum and coal products**	**4.0**	**123.2**	**2.6**	**5.5**	**78.4**	**253.5**	**4 580.5**	**4 806.3**	**(D)**	**555.3**
291	Petroleum refining	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
30	**Rubber and miscellaneous plastics products**	**32.7**	**578.3**	**25.4**	**49.5**	**403.2**	**1 351.0**	**1 463.1**	**2 812.3**	**116.9**	**299.1**
306	Fabricated rubber products, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
307	Miscellaneous plastics products	22.6	360.3	17.7	34.3	250.1	840.2	985.4	1 832.4	98.5	187.1
32	**Stone, clay, and glass products**	**17.1**	**340.3**	**13.7**	**27.1**	**255.5**	**775.8**	**684.2**	**1 444.5**	**39.4**	**210.6**
322	Glass and glassware, pressed or blown	5.[illegible]	119.1	4.7	9.2	97.0	246.2	165.8	422.2	20.5	85.1
327	Concrete, gypsum, and plaster products	4.1	78.2	3.1	6.1	54.6	186.7	243.0	432.1	4.3	31.9
329	Miscellaneous nonmetallic mineral products	4.3	81.3	3.2	6.8	55.1	195.1	140.9	333.0	6.6	41.9
33	**Primary metal industries**	**81.3**	**2 212.5**	**61.1**	**117.7**	**1 604.4**	**4 256.5**	**8 721.1**	**13 233.7**	**551.5**	**2 726.3**
331	Blast furnace and basic steel products	52.2	1 497.9	38.8	73.3	1 083.0	2 870.8	5 434.0	8 330.9	426.0	1 945.3
332	Iron and steel foundries	8.7	190.7	7.0	13.5	140.0	26[illegible].1	232.6	544.4	8.4	53.7
335	Nonferrous rolling and drawing	13.6	343.3	10.0	19.8	243.3	864.1	2 289.3	3 112.4	79.2	610.5
336	Nonferrous foundries	3.2	88.9	2.7	5.8	70.4	182.[illegible]	224.8	400.0	(L)	28.3
34	**Fabricated metal products**	**52.7**	**1 052.8**	**40.8**	**79.2**	**733.3**	**2 334.6**	**2 395.0**	**4 684.1**	**78.0**	**678.3**
342	Cutlery, hand tools, and hardware	4.1	72.0	3.1	6.2	47.4	155.0	143.3	300.3	6.9	57.9
344	Fabricated structural metal products	11.3	215.2	8.1	16.3	132.3	445.9	575.2	1 021.8	18.0	178.2
346	Metal forgings and stampings	12.8	320.7	10.4	21.2	246.2	683.2	652.2	1 326.4	23.2	148.5
347	Metal services, n.e.c.	7.2	90.8	6.1	9.7	65.9	156.3	166.2	294.9	6.1	32.0
349	Miscellaneous fabricated metal products	9.5	183.2	7.1	13.8	121.5	399.5	307.8	696.5	12.9	138.5
35	**Machinery, except electrical**	**58.9**	**1 369.8**	**39.2**	**76.8**	**802.5**	**2 967.1**	**2 420.4**	5 410.5	**204.5**	**1 031.0**
351	Engines and turbines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
352	Farm and garden machinery	3.2	60.8	2.0	4.2	36.0	135.5	155.3	283.1	6.7	86.4
353	Construction and related machinery	4.7	109.0	3.0	5.8	61.4	283.2	277.8	568.8	9.9	121.3
354	Metalworking machinery	9.0	203.5	6.5	13.8	129.1	327.7	155.4	478.9	17.1	109.6
355	Special industry machinery	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
356	General industrial machinery	12.7	271.3	8.4	14.9	160.8	637.9	398.5	1 034.5	33.0	271.3
358	Refrigeration and service machinery	6.4	140.8	4.6	8.4	94.2	411.4	472.6	874.6	16.2	106.7
359	Miscellaneous machinery, except electrical	7.6	145.0	6.1	12.4	104.9	225.3	126.2	362.1	14.2	65.8
36	**Electric and electronic equipment**	**79.2**	**1 598.0**	**58.4**	**117.7**	**1 268.6**	**4 183.2**	**3 631.4**	**7 701.2**	**243.1**	**1 019.4**
361	Electric distributing equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
362	Electrical industrial apparatus	9.4	174.6	7.2	14.4	121.5	327.4	226.8	553.9	11.0	91.0
363	Household appliances	7.3	176.1	5.7	12.2	128.6	394.0	487.8	873.7	(D)	183.6
364	Electric lighting and wiring equipment	7.8	216.1	6.0	12.3	157.8	488.4	278.4	750.2	18.0	90.9
365	Radio and TV receiving equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
366	Communication equipment	10.6	251.2	6.3	10.6	118.5	458.4	334.5	785.7	40.2	106.5
367	Electronic components and accessories	10.2	163.7	8.2	15.4	114.5	318.9	280.9	599.2	17.9	7[illegible].7
369	Miscellaneous electrical equipment and supplies	14.0	375.4	11.0	22.2	271.7	816.1	644.6	1 444.8	33.2	154.2
37	**Transportation equipment**	**70.0**	**1 833.3**	**52.1**	**102.1**	**1 220.4**	**3 833.2**	**5 234.1**	**9 013.7**	**152.2**	**1 270.7**
371	Motor vehicles and equipment	42.3	1 085.6	33.3	65.2	761.9	2 293.1	3 896.5	6 138.9	65.9	613.3
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
379	Miscellaneous transportation equipment	7.1	148.5	5.6	10.7	102.2	363.5	440.8	794.9	14.8	88.3
38	**Instruments and related products**	**10.7**	**211.2**	**7.3**	**14.5**	**117.6**	**561.0**	**284.2**	**852.8**	**28.1**	**194.1**
382	Measuring and controlling devices	4.3	75.9	3.1	5.9	47.9	156.4	76.1	237.1	10.3	58.9
384	Medical instruments and supplies	4.3	91.1	3.0	6.2	47.6	291.7	106.7	399.6	14.2	92.7
39	**Miscellaneous manufacturing industries**	**8.8**	**137.4**	**6.9**	**13.6**	**100.2**	**379.2**	**252.5**	**624.3**	**9.3**	**116.7**
393	Musical instruments	2.6	43.2	2.2	4.3	34.4	100.7	87.1	184.2	1.8	42.3
399	Miscellaneous manufactures	3.6	56.6	2.9	5.9	39.4	174.0	92.1	266.2	5.7	39.1
—	**Auxiliaries**	**15.0**	**417.4**	-	-	-	-	-	-	-	-

See footnotes at end of table

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1]			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
26.4	**755.1**	**12.2**	**24.3**	**271.0**	**2 652.2**	**2 447.4**	**5 153.6**	**294.8**	**1**	**1**	**2**	**Ind.** **28**
16.2	501.4	6.0	12.4	134.4	1 462.5	1 059.3	2 533.1	165.7	1	1	1	283
2.9	73.7	1.7	3.2	39.8	394.5	383.1	791.1	(D)	2	1	(X)	284
3.8	**114.2**	**2.5**	**5.1**	**71.3**	**199.9**	**4 564.4**	**4 790.8**	**(D)**	**2**	**9**	**(X)**	**29**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	291
29.9	**510.8**	**22.8**	**43.2**	**343.2**	**1 141.1**	**1 186.3**	**2 342.1**	**72.5**	**2**	**2**	**7**	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	306
20.4	318.0	15.7	30.2	211.5	727.8	783.9	1 514.4	56.8	3	3	8	307
18.5	**355.1**	**14.5**	**27.8**	**262.5**	**766.5**	**698.2**	**1 465.2**	**48.7**	**1**	**3**	**7**	**32**
6.6	136.1	5.6	10.4	110.4	276.7	232.5	507.0	18.5	1	1	1	322
4.0	73.5	2.9	5.6	49.0	174.6	204.3	376.2	8.3	2	4	30	327
4.4	80.5	3.3	6.6	53.9	195.1	132.3	326.9	10.8	2	1	12	329
86.0	**2 294.0**	**63.6**	**111.5**	**1 643.9**	**3 570.2**	**7 934.0**	**11 768.3**	**558.6**	**1**	**1**	**2**	**33**
56.4	1 630.7	41.7	70.9	1 171.6	2 242.4	5 013.1	7 452.4	419.2	1	1	1	331
9.2	175.8	7.2	12.3	128.2	291.0	191.9	493.2	15.9	3	2	12	332
13.8	321.7	9.6	18.4	221.6	683.9	2 089.9	2 807.5	74.0	1	1	2	335
2.9	71.5	2.4	4.5	54.3	124.7	140.9	267.9	(D)	3	12	(X)	336
51.2	**978.7**	**38.4**	**73.2**	**663.4**	**2 067.6**	**2 368.6**	**4 484.3**	**97.1**	**6**	**2**	**6**	**34**
4.3	71.8	3.1	6.0	45.5	146.4	119.9	271.1	8.0	2	3	24	342
12.1	224.4	8.4	16.2	138.5	436.3	591.4	1 041.8	22.1	3	3	11	344
12.1	272.8	9.6	18.3	205.3	546.9	597.4	1 154.9	26.8	2	2	12	346
3.8	61.5	2.9	5.7	39.4	115.5	97.0	214.2	7.8	42	12	15	347
10.0	167.6	7.5	13.8	111.0	327.0	308.1	645.1	17.3	2	2	12	349
64.1	**1 405.6**	**42.0**	**79.0**	**812.1**	**2 501.2**	**2 400.6**	**5 099.4**	**294.6**	**1**	**1**	**7**	**35**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	351
3.4	65.6	2.1	4.4	36.5	146.9	145.7	303.3	14.5	3	7	29	352
5.5	114.4	3.4	6.1	64.3	241.0	270.9	551.7	15.6	1	2	7	353
9.8	206.3	7.1	14.1	135.7	314.2	172.2	495.1	20.1	3	4	50	354
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	355
15.7	325.3	10.5	19.1	195.0	703.2	499.3	1 232.3	59.0	2	2	5	356
5.9	118.9	4.1	7.2	75.6	288.4	339.7	637.5	18.1	2	2	2	358
8.1	153.1	6.4	12.2	110.8	246.3	134.0	376.3	16.8	3	4	63	359
83.4	**1 768.1**	**61.8**	**114.4**	**1 179.4**	**3 800.9**	**3 218.2**	**7 141.7**	**222.4**	**1**	**1**	**2**	**36**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	361
9.6	168.8	7.1	13.7	112.9	313.5	209.1	537.6	16.2	1	1	2	362
9.2	186.2	7.5	13.4	142.6	412.1	540.9	942.5	(D)	2	2	(X)	363
7.3	169.7	5.4	10.1	112.0	359.1	234.8	602.2	26.2	1	1	5	364
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	365
13.1	282.0	8.4	14.2	150.5	619.0	389.9	1 020.2	45.8	1	1	1	366
10.1	154.9	7.8	14.8	105.6	308.7	253.0	559.0	19.0	1	1	11	367
13.6	331.5	10.3	19.3	234.4	659.5	513.4	1 194.2	24.9	1	1	4	369
68.2	**1 682.0**	**51.0**	**95.4**	**1 145.8**	**3 269.2**	**4 571.9**	**7 931.7**	**199.0**	**1**	**2**	**2**	**37**
38.3	901.9	29.9	55.2	646.3	1 844.4	3 165.4	5 038.2	113.9	1	4	1	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
6.8	131.6	5.5	10.3	94.3	260.5	415.3	678.8	12.4	2	2	16	379
11.0	**209.2**	**7.4**	**14.8**	**114.3**	**580.9**	**289.2**	**844.4**	**27.9**	**1**	**4**	**17**	**38**
4.5	73.6	3.1	6.1	46.1	149.0	75.9	218.8	8.9	1	1	2	382
4.2	91.0	2.9	6.1	46.3	322.7	109.0	416.1	11.7	3	7	33	384
8.2	**123.1**	**6.3**	**11.6**	**83.9**	**319.4**	**233.5**	**550.0**	**12.6**	**4**	**9**	**6**	**39**
2.2	34.8	1.8	3.3	27.7	89.2	66.6	152.8	1.8	1	1	1	393
3.4	52.1	2.6	4.7	34.0	139.5	97.1	235.1	7.0	10	19	1	399
14.8	**392.6**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	—

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Iowa	**Iowa**	**203.4**	**4 392.8**	**136.8**	**259.1**	**2 654.9**	**12 342.0**	**19 143.1**	**31 567.8**	**542.1**	**4 013.9**
20	**Food and kindred products**	**41.9**	**875.5**	**30.8**	**60.7**	**609.3**	**3 041.3**	**10 413.5**	**13 394.1**	**164.6**	**644.6**
201	Meat products	20.5	410.4	17.1	32.5	327.5	895.4	5 806.2	6 702.1	45.6	207.2
202	Dairy products	2.9	66.1	2.0	4.9	46.2	420.6	913.8	1 323.0	20.4	57.9
204	Grain mill products	10.3	246.1	6.4	12.6	146.1	1 376.1	1 976.4	3 352.1	71.8	187.2
23	**Apparel and other textile products**	**3.7**	**34.5**	**3.3**	**5.2**	**28.7**	**62.6**	**58.8**	**125.0**	**7.0**	**39.6**
24	**Lumber and wood products**	**4.6**	**77.0**	**3.6**	**6.6**	**57.3**	**161.9**	**201.6**	**359.7**	**8.9**	**56.4**
243	Millwork, plywood, and structural members	3.0	57.5	2.3	4.3	44.1	122.1	129.3	249.6	(D)	35.6
25	**Furniture and fixtures**	**4.0**	**75.8**	**3.1**	**6.3**	**52.3**	**162.3**	**142.1**	**304.5**	**5.2**	**43.5**
26	**Paper and allied products**	**4.7**	**94.7**	**3.6**	**7.1**	**64.5**	**245.1**	**358.9**	**600.8**	**12.5**	**90.8**
27	**Printing and publishing**	**17.6**	**310.7**	**9.2**	**16.8**	**148.2**	**756.3**	**471.2**	**1 207.1**	**51.8**	**111.0**
271	Newspapers	6.7	84.3	2.5	4.3	28.9	212.9	70.2	283.2	6.3	11.0
275	Commercial printing	5.8	108.6	4.5	8.7	76.2	198.1	146.6	340.8	30.2	36.3
28	**Chemicals and allied products**	**5.5**	**139.3**	**3.4**	**6.8**	**74.6**	**1 124.3**	**1 246.6**	**2 372.5**	**45.6**	**269.7**
30	**Rubber and miscellaneous plastics products**	**9.5**	**220.1**	**7.5**	**14.1**	**164.4**	**556.7**	**525.9**	**1 086.2**	**17.2**	**146.1**
301	Tires and inner tubes	2.9	92.0	2.3	4.3	71.5	241.7	237.5	486.8	5.6	76.2
307	Miscellaneous plastics products	4.9	92.9	3.9	7.1	66.9	238.4	215.9	453.5	7.6	49.6
32	**Stone, clay, and glass products**	**4.9**	**94.2**	**3.7**	**7.7**	**65.4**	**231.0**	**347.7**	**580.4**	**5.1**	**83.6**
327	Concrete, gypsum, and plaster products	2.9	55.0	2.1	4.6	34.6	110.6	157.1	267.8	4.0	21.7
33	**Primary metal industries**	**6.9**	**195.7**	**5.5**	**10.6**	**140.7**	**433.0**	**792.0**	**1 257.5**	**36.8**	**368.5**
335	Nonferrous rolling and drawing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34	**Fabricated metal products**	**16.7**	**334.9**	**11.0**	**20.5**	**189.2**	**692.9**	**532.2**	**1 238.9**	**36.0**	**246.2**
344	Fabricated structural metal products	3.7	70.5	2.6	5.2	41.7	125.2	153.3	286.2	4.9	61.6
349	Miscellaneous fabricated metal products	6.6	151.2	3.8	7.2	75.5	295.2	174.5	481.7	21.5	120.8
35	**Machinery, except electrical**	**43.0**	**1 127.8**	**28.1**	**49.2**	**651.8**	**2 941.1**	**2 501.9**	**5 505.7**	**85.3**	**1 291.8**
352	Farm and garden machinery	16.0	459.7	10.8	19.4	283.9	1 271.5	1 112.3	2 327.5	36.0	470.6
353	Construction and related machinery	13.6	374.9	8.7	14.2	215.2	950.5	842.0	1 896.1	35.7	571.1
356	General industrial machinery	2.9	62.5	1.7	3.1	33.8	150.3	93.8	257.2	5.3	49.1
36	**Electric and electronic equipment**	**22.9**	**470.8**	**13.6**	**26.5**	**239.3**	**1 275.9**	**892.2**	**2 229.2**	**44.7**	**371.7**
363	Household appliances	5.2	108.5	3.8	7.2	75.3	410.6	426.5	829.7	11.4	126.9
366	Communication equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37	**Transportation equipment**	**5.7**	**110.7**	**4.1**	**9.0**	**72.0**	**311.0**	**416.6**	**711.6**	**12.8**	**138.5**
371	Motor vehicles and equipment	5.1	96.1	3.9	8.3	63.8	282.0	392.5	660.9	(D)	123.8
39	**Miscellaneous manufacturing industries**	**5.2**	**80.8**	**3.7**	**7.3**	**51.0**	**193.2**	**146.5**	**344.3**	**6.4**	**66.3**
--	**Auxiliaries**[1]	**3.0**	**92.6**	-	-	-	-	-	-	-	-
Kans.	**Kansas**	**166.1**	**3 414.2**	**111.3**	**217.5**	**2 007.5**	**9 413.5**	**18 357.3**	**27 500.8**	**624.3**	**3 935.8**
20	**Food and kindred products**	**21.8**	**406.9**	**15.8**	**33.9**	**273.7**	**1 229.7**	**6 151.7**	**7 362.4**	**96.8**	**250.9**
201	Meat products	9.5	174.1	8.5	19.1	146.1	393.5	4 107.3	4 482.5	55.5	86.7
204	Grain mill products	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
205	Bakery products	2.8	59.1	1.3	2.5	27.1	177.1	93.4	270.4	(D)	11.0
23	**Apparel and other textile products**	**4.4**	**57.4**	**3.2**	**6.4**	**29.9**	**451.6**	**487.8**	**921.7**	**12.6**	**140.0**
24	**Lumber and wood products**	**3.5**	**49.6**	**2.8**	**5.9**	**36.6**	**102.2**	**174.5**	**277.6**	**2.9**	**26.4**
26	**Paper and allied products**	**4.2**	**79.4**	**3.2**	**6.3**	**52.5**	**249.2**	**263.6**	**509.6**	**9.8**	**62.2**
27	**Printing and publishing**	**16.8**	**288.2**	**11.3**	**21.0**	**169.5**	**1 017.8**	**435.9**	**1 453.4**	**33.7**	**87.9**
271	Newspapers	3.9	54.4	1.8	3.0	22.4	116.7	32.7	149.0	5.7	6.1
275	Commercial printing	5.3	105.5	4.0	8.1	68.4	200.4	155.0	359.7	16.4	22.4
28	**Chemicals and allied products**	**7.6**	**175.6**	**4.4**	**8.8**	**93.9**	**761.2**	**880.3**	**1 638.8**	**83.6**	**231.5**
29	**Petroleum and coal products**	**3.3**	**86.9**	**2.3**	**4.8**	**56.2**	**515.0**	**3 920.6**	**4 361.6**	**26.8**	**588.4**
30	**Rubber and miscellaneous plastics products**	**7.3**	**143.4**	**5.9**	**11.3**	**104.7**	**531.9**	**394.3**	**908.3**	**71.8**	**95.5**
307	Miscellaneous plastics products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
32	**Stone, clay, and glass products**	**5.9**	**123.7**	**4.6**	**9.7**	**90.0**	**361.7**	**323.2**	**694.9**	**20.9**	**64.9**
33	**Primary metal industries**	**3.0**	**50.8**	**2.4**	**4.9**	**36.1**	**125.3**	**158.2**	**281.8**	**5.6**	**33.6**
34	**Fabricated metal products**	**7.8**	**136.3**	**5.2**	**9.5**	**75.6**	**278.3**	**313.9**	**633.2**	**5.0**	**86.6**
344	Fabricated structural metal products	4.5	80.2	3.1	5.9	46.0	164.6	217.7	376.9	4.0	79.5
35	**Machinery, except electrical**	**22.0**	**417.1**	**15.0**	**27.2**	**232.9**	**864.7**	**995.7**	**1 910.7**	**41.2**	**493.9**
352	Farm and garden machinery	5.4	95.0	3.9	6.9	53.9	163.7	274.2	462.2	7.2	133.2
353	Construction and related machinery	3.6	75.3	2.1	3.7	34.3	129.4	223.5	360.1	8.2	92.3
356	General industrial machinery	3.3	67.9	2.2	3.9	39.5	138.3	98.5	246.8	7.9	67.8
358	Refrigeration and service machinery	2.8	43.3	2.5	4.5	36.1	149.6	144.3	299.4	5.3	68.6
36	**Electric and electronic equipment**	**8.6**	**152.2**	**6.4**	**12.3**	**93.6**	**337.7**	**256.4**	**612.6**	**23.8**	**101.2**
366	Communication equipment	2.6	53.2	1.7	3.4	25.7	66.0	44.7	128.3	7.7	28.3

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1]			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
212.8	**4 403.2**	**140.0**	**259.2**	**2 648.8**	**12 077.9**	**19 369.6**	**31 397.0**	**688.6**	**1**	**1**	**4**	**Iowa**
44.8	**949.9**	**32.3**	**63.2**	**668.6**	**3 130.8**	**10 632.1**	**13 746.9**	**194.8**	**1**	**3**	**10**	**20**
22.2	466.5	18.1	34.9	399.7	1 013.2	6 185.4	7 179.8	38.2	1	2	5	201
2.9	56.6	1.9	4.3	37.9	233.8	965.2	1 202.6	15.7	8	15	68	202
10.9	247.1	6.7	12.7	143.4	1 336.7	1 880.0	3 220.4	89.9	2	1	5	204
3.6	**36.0**	**3.3**	**5.4**	**26.6**	**72.1**	**55.7**	**128.3**	**2.4**	**3**	**12**	**3**	**23**
4.1	**58.1**	**3.2**	**5.1**	**41.4**	**133.2**	**140.2**	**275.3**	**13.6**	**5**	**4**	**17**	**24**
2.8	42.2	2.2	3.3	30.1	101.4	80.3	183.0	(D)	2	2	(X)	243
3.5	**66.0**	**2.7**	**5.2**	**44.0**	**113.8**	**109.0**	**222.7**	**4.3**	**5**	**12**	**41**	**25**
4.6	**86.6**	**3.5**	**7.1**	**58.3**	**226.7**	**351.6**	**575.6**	**18.7**	**2**	**5**	**7**	**26**
17.6	**270.2**	**9.0**	**16.0**	**128.0**	**662.7**	**477.5**	**1 140.1**	**29.6**	**1**	**2**	**10**	**27**
6.7	82.0	2.6	4.3	29.4	193.8	66.9	260.9	6.8	1	1	17	271
5.8	100.5	4.4	8.1	70.4	184.5	173.6	359.0	11.6	1	1	6	275
5.7	**133.9**	**3.4**	**6.9**	**70.6**	**1 077.9**	**1 245.1**	**2 325.3**	**52.0**	**3**	**3**	**4**	**28**
8.9	**181.2**	**6.8**	**12.3**	**130.0**	**482.3**	**435.3**	**926.6**	**29.4**	**2**	**2**	**7**	**30**
3.1	80.4	2.4	4.2	59.5	204.4	186.4	394.1	11.2	5	4	1	301
4.2	72.9	3.3	5.7	50.1	221.9	194.0	418.5	14.5	2	2	14	307
4.8	**92.3**	**3.7**	**7.2**	**63.8**	**229.8**	**323.6**	**551.4**	**26.9**	**6**	**8**	**22**	**32**
3.1	55.2	2.2	4.4	36.5	115.7	154.8	269.7	14.9	9	16	27	327
7.7	**194.9**	**5.9**	**11.0**	**137.8**	**203.7**	**824.2**	**1 078.2**	**55.6**	**5**	**2**	**2**	**33**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	335
17.4	**338.0**	**11.4**	**21.0**	**189.4**	**763.4**	**577.2**	**1 341.8**	**32.3**	**1**	**2**	**4**	**34**
4.3	74.6	3.0	5.8	44.9	145.2	201.6	351.8	8.5	3	10	17	344
7.0	154.3	4.0	7.4	75.8	349.1	189.5	532.5	14.9	1	1	2	349
49.5	**1 230.1**	**31.8**	**56.2**	**737.6**	**3 347.0**	**2 907.2**	**6 145.5**	**138.0**	**1**	**1**	**7**	**35**
19.2	528.5	13.1	24.2	341.2	1 606.0	1 389.6	3 014.5	60.3	2	2	13	352
15.7	398.6	9.5	15.3	216.9	1 020.2	918.5	1 798.3	49.8	1	1	1	353
3.5	68.9	2.1	3.7	39.0	181.1	98.5	283.6	8.1	2	3	5	356
22.0	**438.1**	**13.2**	**24.1**	**213.3**	**1 087.0**	**767.2**	**1 867.1**	**58.4**	**2**	**2**	**2**	**36**
4.8	94.1	3.5	6.0	63.4	301.5	319.8	632.8	9.1	1	1	1	363
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	366
5.3	**90.4**	**3.9**	**7.2**	**56.0**	**214.0**	**286.3**	**498.1**	**17.5**	**4**	**4**	**7**	**37**
4.6	74.5	3.4	6.3	48.0	186.8	263.2	448.4	(D)	3	4	(X)	371
5.9	**88.1**	**3.6**	**6.9**	**47.9**	**184.8**	**146.5**	**333.9**	**8.5**	**3**	**1**	**6**	**39**
3.7	**92.9**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
170.6	**3 322.8**	**112.8**	**217.9**	**1 957.8**	**8 436.5**	**18 104.1**	**26 753.4**	**613.3**	**1**	**1**	**6**	**Kans.**
21.5	**383.6**	**15.5**	**31.9**	**262.2**	**1 201.8**	**5 696.6**	**6 891.0**	**96.4**	**2**	**2**	**5**	**20**
8.8	159.8	7.7	16.6	133.8	353.5	3 871.6	4 219.0	23.5	2	2	1	201
FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	204
2.9	55.0	1.2	2.5	25.0	164.5	93.6	258.6	(D)	1	3	(X)	205
3.5	**41.3**	**2.5**	**5.1**	**23.4**	**318.5**	**345.5**	**651.6**	**3.2**	**6**	**1**	**3**	**23**
3.2	**45.3**	**2.6**	**5.2**	**33.4**	**93.9**	**160.1**	**253.6**	**1.8**	**4**	**10**	**26**	**24**
4.2	**76.0**	**3.3**	**6.2**	**49.8**	**233.1**	**247.5**	**481.1**	**19.6**	**1**	**1**	**5**	**26**
16.8	**261.9**	**11.1**	**20.0**	**159.0**	**970.3**	**359.0**	**1 329.3**	**27.9**	**2**	**3**	**16**	**27**
3.9	51.1	1.7	2.9	20.1	115.2	35.6	150.9	4.8	3	4	40	271
5.3	92.5	4.0	7.5	63.4	167.5	133.7	301.0	13.1	3	14	29	275
8.2	**174.7**	**4.8**	**9.7**	**94.5**	**794.7**	**829.1**	**1 637.2**	**82.9**	**5**	**3**	**37**	**28**
4.2	**107.5**	**2.8**	**6.0**	**68.5**	**243.2**	**5 293.8**	**5 747.2**	**67.0**	**1**	**1**	**1**	**29**
7.3	**131.8**	**5.8**	**10.5**	**93.3**	**295.3**	**368.1**	**669.6**	**39.2**	**2**	**5**	**3**	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	307
5.8	**121.6**	**4.6**	**9.1**	**92.1**	**318.9**	**303.2**	**621.5**	**38.2**	**4**	**6**	**21**	**32**
3.2	**53.3**	**2.5**	**4.6**	**36.9**	**114.7**	**148.3**	**267.9**	**8.8**	**2**	**2**	**20**	**33**
8.7	**145.8**	**5.9**	**11.1**	**85.8**	**329.6**	**328.1**	**668.4**	**15.7**	**7**	**22**	**12**	**34**
4.6	76.4	3.2	6.3	47.0	144.8	219.1	369.3	10.5	8	7	12	344
24.0	**447.8**	**15.8**	**29.2**	**255.9**	**962.3**	**992.7**	**2 022.3**	**67.3**	**2**	**3**	**12**	**35**
5.0	91.4	3.6	6.3	50.1	198.8	249.2	460.2	10.6	3	4	19	352
4.5	92.0	2.8	5.3	48.1	175.6	266.0	456.4	16.9	3	2	11	353
5.0	88.2	3.1	5.6	53.3	168.9	150.3	337.0	14.7	7	7	19	356
2.4	43.9	1.9	3.8	34.6	141.5	126.9	270.7	7.3	2	3	8	358
8.9	**142.4**	**6.7**	**12.7**	**89.5**	**349.4**	**248.5**	**599.1**	**21.7**	**2**	**5**	**8**	**36**
3.0	45.9	1.9	3.9	23.2	80.5	43.1	121.5	5.9	5	21	22	366

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983 All employees Number (1,000)	All employees Payroll (million dollars)	Production workers Number (1,000)	Production workers Hours (millions)	Production workers Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Kans.	**Kansas**—Con.										
37	**Transportation equipment**	**38.1**	**1 024.6**	**23.8**	**46.6**	**601.6**	**2 331.9**	**3 445.1**	**5 523.0**	**178.4**	**1 588.6**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
372	Aircraft and parts	29.3	796.3	16.3	31.0	412.0	1 672.1	1 267.5	2 674.9	169.7	1 464.7
38	**Instruments and related products**	**3.4**	**51.8**	**2.6**	**4.7**	**31.7**	**113.7**	**58.3**	**169.9**	**3.9**	**41.9**
—	**Auxiliaries**[2]	**5.2**	**125.6**	-	-	-	-	-	-	-	-
Ky.	**Kentucky**	**295.4**	**4 870.0**	**175.2**	**332.0**	**3 051.3**	**13 127.9**	**19 599.4**	**32 634.3**	**962.8**	**4 762.9**
20	**Food and kindred products**	**19.3**	**374.2**	**12.4**	**25.0**	**223.7**	**1 303.6**	**2 422.8**	**3 716.6**	**71.7**	**830.1**
201	Meat products	3.3	66.3	2.3	5.0	47.8	128.8	531.4	660.9	25.2	19.3
205	Bakery products	3.5	63.9	2.3	4.8	37.7	174.6	157.4	333.6	2.4	31.7
208	Beverages	6.9	139.4	4.0	7.8	80.3	594.9	671.2	1 277.9	22.1	647.7
21	**Tobacco products**	**6.7**	**168.3**	**5.4**	**10.1**	**127.5**	**1 296.1**	**872.2**	**2 180.3**	**51.6**	**277.2**
211	Cigarettes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22	**Textile mill products**	**6.3**	**76.5**	**5.4**	**9.9**	**64.8**	**169.3**	**154.8**	**331.6**	**5.3**	**36.2**
225	Knitting mills	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
23	**Apparel and other textile products**	**25.3**	**242.3**	**22.6**	**40.5**	**198.3**	**545.4**	**306.8**	**850.6**	**6.4**	**107.5**
231	Men's and boys' suits and coats	3.4	37.8	3.2	5.3	32.2	76.5	9.2	85.2	.5	10.1
232	Men's and boys' furnishings	11.6	111.2	10.2	18.5	89.4	287.1	192.5	482.2	3.5	64.7
233	Women's and misses' outerwear	6.7	57.3	6.2	10.8	49.4	92.9	30.1	120.6	1.6	12.8
24	**Lumber and wood products**	**7.7**	**92.4**	**6.4**	**12.0**	**70.7**	**181.6**	**213.5**	**399.7**	**4.0**	**64.1**
242	Sawmills and planing mills	3.1	35.5	2.6	4.9	27.9	71.7	79.6	151.4	1.8	23.7
25	**Furniture and fixtures**	**2.8**	**39.5**	**2.3**	**4.3**	**28.4**	**90.4**	**73.7**	**162.7**	**1.4**	**30.8**
26	**Paper and allied products**	**7.0**	**140.7**	**5.2**	**10.4**	**96.6**	**393.0**	**613.7**	**996.9**	**19.3**	**135.2**
265	Paperboard containers and boxes	4.1	78.0	3.1	5.9	52.8	191.1	337.4	523.1	1.7	63.4
27	**Printing and publishing**	**16.0**	**267.8**	**10.3**	**18.9**	**160.9**	**870.8**	**374.2**	**1 237.8**	**99.6**	**86.8**
271	Newspapers	4.7	74.2	1.8	3.4	24.8	164.9	53.6	219.1	28.8	8.0
275	Commercial printing	7.2	132.6	5.7	10.8	98.1	272.6	182.6	455.3	50.0	33.1
28	**Chemicals and allied products**	**12.4**	**332.6**	**8.1**	**16.4**	**201.2**	**1 358.0**	**2 167.7**	**3 532.5**	**105.0**	**386.0**
281	Industrial inorganic chemicals	2.9	75.0	1.8	3.5	42.5	362.0	481.3	842.4	(D)	38.4
282	Plastics materials and synthetics	4.2	127.2	2.8	5.5	78.3	415.2	892.6	1 312.9	33.1	175.0
30	**Rubber and miscellaneous plastics products**	**9.8**	**187.0**	**7.8**	**15.1**	**137.7**	**569.5**	**580.9**	**1 150.3**	**26.3**	**167.0**
307	Miscellaneous plastics products	7.1	118.0	5.6	10.9	82.9	372.0	429.6	804.4	(D)	105.7
32	**Stone, clay, and glass products**	**6.4**	**116.3**	**4.9**	**9.8**	**83.3**	**305.9**	**204.9**	**500.6**	**17.4**	**71.7**
33	**Primary metal industries**	**14.8**	**388.4**	**11.4**	**21.7**	**274.6**	**584.2**	**1 810.4**	**2 414.9**	**101.3**	**591.4**
331	Blast furnace and basic steel products	6.2	170.3	4.8	9.1	123.7	239.3	485.7	713.1	66.1	170.0
335	Nonferrous rolling and drawing	4.0	97.4	3.2	6.3	70.9	194.3	844.6	996.6	12.1	263.1
34	**Fabricated metal products**	**18.4**	**347.9**	**14.4**	**28.4**	**241.6**	**719.0**	**969.4**	**1 697.9**	**34.4**	**343.5**
344	Fabricated structural metal products	3.1	54.0	2.4	4.6	34.4	99.1	149.8	247.9	1.4	42.4
346	Metal forgings and stampings	3.2	62.1	2.7	6.0	44.8	106.8	120.9	224.7	4.5	37.1
349	Miscellaneous fabricated metal products	7.4	139.6	5.8	10.6	97.2	298.5	481.4	795.6	21.2	172.2
35	**Machinery, except electrical**	**31.1**	**702.6**	**20.7**	**38.5**	**391.2**	**1 490.4**	**1 400.4**	**2 879.4**	**145.1**	**684.6**
353	Construction and related machinery	5.1	114.6	3.0	5.7	60.0	181.8	297.8	486.2	17.5	193.3
356	General industrial machinery	4.0	82.4	2.7	4.7	48.3	189.3	194.0	382.5	(D)	97.0
357	Office and computing machines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
358	Refrigeration and service machinery	7.0	144.1	5.5	10.1	103.9	313.1	408.0	725.5	9.5	103.3
359	Miscellaneous machinery, except electrical	5.1	84.0	4.2	7.7	64.3	193.7	65.3	254.2	3.1	43.5
36	**Electric and electronic equipment**	**24.4**	**491.1**	**19.8**	**36.6**	**369.7**	**1 256.9**	**1 260.7**	**2 497.1**	**68.6**	**440.4**
361	Electric distributing equipment	3.9	69.6	2.9	5.3	46.5	204.4	109.4	311.3	12.1	47.2
362	Electrical industrial apparatus	3.5	59.7	2.7	4.7	41.0	134.7	119.2	253.5	8.8	80.4
363	Household appliances	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
364	Electric lighting and wiring equipment	4.1	77.5	3.2	6.2	56.1	245.1	151.8	392.5	8.2	61.5
37	**Transportation equipment**	**12.6**	**350.6**	**9.9**	**19.5**	**260.2**	**1 302.5**	**3 416.2**	**4 626.0**	**57.3**	**310.3**
371	Motor vehicles and equipment	11.2	316.8	8.9	17.4	242.7	1 256.6	3 345.7	4 513.6	48.9	277.6
39	**Miscellaneous manufacturing industries**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
—	**Auxiliaries**[2]	**14.4**	**390.4**	-	-	-	-	-	-	-	-

See footnotes at end of table.

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explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
39.7	**972.8**	**24.2**	**48.0**	**556.2**	**2 005.6**	**2 638.4**	**4 564.7**	**111.8**	**1**	**1**	**1**	**Kans.** **37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
32.8	814.9	18.5	37.0	432.4	1 662.3	1 255.6	2 859.4	106.1	1	1	1	372
3.0	**45.9**	**2.1**	**4.1**	**28.4**	**89.9**	**60.1**	**149.8**	**4.3**	**3**	**3**	**6**	**38**
5.4	**127.7**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
246.6	**4 638.8**	**173.8**	**319.7**	**2 874.0**	**11 819.7**	**17 662.0**	**29 638.6**	**996.8**	**1**	**1**	**3**	**Ky.**
19.1	**355.2**	**12.3**	**24.6**	**211.0**	**1 346.8**	**2 332.5**	**3 676.2**	**83.4**	**1**	**3**	**7**	**20**
3.3	67.4	2.4	4.8	47.9	155.1	528.7	679.5	9.0	1	2	2	201
2.9	53.3	2.0	3.9	31.2	134.6	117.5	257.9	2.1	1	2	18	205
7.1	136.9	4.3	8.5	77.3	667.6	685.3	1 347.4	44.2	2	3	13	208
7.3	**201.1**	**5.8**	**10.9**	**157.3**	**1 136.2**	**1 003.4**	**2 156.8**	**27.2**	**2**	**1**	**2**	**21**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	211
6.8	**80.1**	**6.1**	**10.8**	**67.9**	**139.9**	**134.3**	**280.2**	**4.7**	**2**	**8**	**14**	**22**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	225
24.0	**225.8**	**21.8**	**38.0**	**185.8**	**455.6**	**271.8**	**739.5**	**8.7**	**1**	**2**	**7**	**23**
2.6	29.8	2.5	4.4	27.4	35.2	3.4	38.3	1.0	1	1	1	231
11.8	107.1	10.7	18.2	87.3	266.2	166.2	442.5	3.5	2	4	12	232
6.2	52.6	5.6	9.7	43.5	75.0	29.3	106.3	3.1	1	1	5	233
7.5	**88.9**	**6.2**	**11.1**	**67.5**	**163.5**	**228.2**	**396.2**	**9.8**	**3**	**11**	**35**	**24**
3.2	34.8	2.7	4.8	27.4	61.8	85.8	149.7	4.6	3	13	44	242
2.8	**36.1**	**2.3**	**4.2**	**25.6**	**74.3**	**65.9**	**139.8**	**3.9**	**1**	**3**	**50**	**25**
5.7	**117.1**	**4.4**	**8.7**	**79.4**	**339.4**	**466.8**	**808.5**	**26.5**	**23**	**1**	**3**	**26**
2.6	48.8	1.9	3.8	33.9	100.1	170.9	270.7	5.0	39	1	25	265
15.0	**246.6**	**9.7**	**18.0**	**146.2**	**731.7**	**372.1**	**1 105.8**	**58.0**	**5**	**3**	**26**	**27**
4.6	71.5	1.8	3.2	25.3	152.9	54.0	206.8	7.5	2	3	88	271
6.3	117.0	4.9	9.6	82.4	228.0	178.3	403.3	38.5	10	8	5	275
13.2	**326.7**	**8.3**	**16.8**	**190.3**	**1 108.6**	**2 009.5**	**3 149.6**	**167.9**	**2**	**3**	**2**	**28**
3.1	78.4	1.9	3.7	44.4	239.3	483.6	722.2	(D)	1	1	(X)	281
4.6	125.8	3.0	6.1	75.6	408.6	788.5	1 217.2	36.9	1	1	1	282
9.2	**172.6**	**7.2**	**13.9**	**124.9**	**463.8**	**495.6**	**949.3**	**41.0**	**1**	**1**	**6**	**30**
6.8	112.9	5.3	10.2	78.6	282.7	361.1	635.3	(D)	1	1	(X)	307
6.3	**109.5**	**4.9**	**9.5**	**78.5**	**273.6**	**212.2**	**501.0**	**13.5**	**4**	**3**	**20**	**32**
15.1	**377.4**	**11.4**	**19.9**	**265.1**	**491.1**	**1 671.7**	**2 183.1**	**118.3**	**2**	**4**	**2**	**33**
6.4	177.0	4.9	8.3	125.9	201.3	439.1	681.9	91.3	1	2	1	331
4.1	88.3	3.1	6.0	63.5	124.7	750.9	826.3	15.6	1	1	6	335
18.1	**327.3**	**13.6**	**25.9**	**223.0**	**756.4**	**941.0**	**1 706.3**	**34.1**	**5**	**5**	**7**	**34**
3.1	54.0	2.4	4.5	34.7	102.9	146.0	251.5	2.8	5	6	37	344
2.3	36.0	1.8	3.3	25.1	64.2	69.7	134.9	4.5	21	26	12	346
7.5	145.0	5.7	11.0	102.4	362.5	445.2	808.4	17.2	5	3	10	349
34.5	**715.3**	**22.7**	**41.1**	**402.9**	**1 688.7**	**1 326.7**	**3 046.2**	**104.1**	**1**	**1**	**3**	**35**
6.2	126.1	3.6	6.4	68.7	244.8	324.6	576.5	11.1	1	1	1	353
4.4	80.2	2.7	5.1	45.8	196.0	204.6	404.5	(D)	3	4	(X)	356
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	357
7.4	141.1	5.8	10.1	101.2	323.5	384.3	716.2	28.5	1	1	2	358
5.0	73.8	4.2	7.4	58.7	158.0	53.1	214.5	10.4	1	1	1	359
24.5	**437.7**	**19.3**	**33.4**	**324.8**	**1 107.9**	**1 097.7**	**2 219.6**	**108.8**	**1**	**3**	**4**	**36**
3.5	59.9	2.6	4.6	37.6	185.9	92.5	281.0	6.5	2	1	1	361
3.4	56.3	2.6	4.4	38.3	137.8	123.3	266.1	31.9	1	1	1	362
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	363
3.8	62.3	2.9	5.6	45.0	201.8	131.6	330.3	23.4	4	12	1	364
12.1	**282.9**	**9.4**	**17.0**	**204.4**	**1 073.9**	**1 960.7**	**3 033.5**	**131.5**	**2**	**2**	**2**	**37**
10.5	253.6	8.1	14.5	184.8	1 027.2	1 899.1	2 926.5	125.2	1	2	2	371
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**39**
14.4	**378.1**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
La.	**Louisiana**	**186.5**	**4 170.1**	**128.0**	**253.3**	**2 572.9**	**11 999.8**	**41 273.1**	**53 584.7**	**2 035.4**	**4 538.5**
20	**Food and kindred products**	**22.0**	**342.1**	**13.6**	**27.0**	**184.9**	**1 153.0**	**2 758.9**	**3 902.8**	**89.0**	**404.3**
206	Sugar and confectionery products	4.0	75.4	3.2	6.2	57.8	183.8	793.7	984.0	40.4	199.6
208	Beverages	3.6	64.1	1.1	2.1	14.4	238.7	229.3	466.8	10.2	19.8
209	Miscellaneous foods and kindred products	3.9	40.9	2.9	5.4	27.8	292.5	553.9	846.2	16.3	70.7
23	**Apparel and other textile products**	**6.1**	**69.3**	**5.2**	**8.9**	**46.4**	**154.6**	**115.1**	**269.0**	**3.3**	**40.8**
232	Men's and boys' furnishings	3.9	41.3	3.4	6.2	28.9	95.2	69.3	164.6	1.8	17.8
24	**Lumber and wood products**	**11.1**	**154.8**	**9.5**	**18.1**	**123.3**	**304.7**	**646.3**	**958.8**	**29.6**	**72.1**
241	Logging camps and logging contractors	2.5	35.4	2.2	3.5	29.5	63.8	199.2	265.9	15.1	17.9
242	Sawmills and planing mills	2.9	37.3	2.6	5.2	31.7	87.9	138.5	231.4	8.6	17.2
243	Millwork, plywood, and structural members	3.4	54.2	3.0	6.1	43.1	92.8	195.1	287.1	(D)	18.1
26	**Paper and allied products**	**10.5**	**294.8**	**8.1**	**16.7**	**218.3**	**695.6**	**1 326.0**	**2 021.0**	**140.1**	**194.8**
262	Paper mills, except building paper	3.6	118.8	2.8	5.7	88.9	263.6	519.9	784.2	103.7	58.8
263	Paperboard mills	2.7	80.4	2.1	3.9	58.5	250.3	378.6	629.5	23.6	41.9
27	**Printing and publishing**	**9.7**	**151.4**	**5.5**	**10.1**	**78.5**	**378.6**	**195.6**	**572.8**	**37.7**	**29.5**
271	Newspapers	4.9	78.2	2.0	3.8	31.6	223.5	88.9	312.4	17.7	7.9
275	Commercial printing	3.4	50.7	2.6	4.6	33.8	104.0	77.8	180.3	19.9	15.4
28	**Chemicals and allied products**	**30.3**	**919.0**	**18.8**	**39.0**	**545.1**	**4 218.6**	**7 499.8**	**11 810.2**	**465.3**	**1 267.5**
281	Industrial inorganic chemicals	3.9	90.8	2.7	4.5	61.0	346.2	466.7	821.4	53.6	91.8
282	Plastics materials and synthetics	3.5	113.6	2.1	4.5	68.8	483.8	916.0	1 405.4	32.0	128.2
286	Industrial organic chemicals	15.9	506.3	9.6	20.7	295.8	2 320.1	4 227.8	6 585.4	308.4	800.5
287	Agricultural chemicals	3.8	122.1	2.4	5.2	75.3	707.6	1 115.2	1 840.6	43.9	149.6
29	**Petroleum and coal products**	**13.2**	**465.0**	**8.2**	**17.3**	**263.1**	**1 978.8**	**24 749.8**	**26 875.8**	**1 111.9**	**1 489.8**
291	Petroleum refining	11.8	432.1	7.2	15.1	240.8	1 820.3	24 310.4	26 270.4	1 106.1	1 421.6
32	**Stone, clay, and glass products**	**8.0**	**146.7**	**6.3**	**12.4**	**103.2**	**260.6**	**493.6**	**755.5**	**44.9**	**93.9**
327	Concrete, gypsum, and plaster products	4.6	74.8	3.5	6.7	51.3	115.3	312.6	431.0	31.2	17.9
33	**Primary metal industries**	**3.6**	**91.9**	**2.5**	**4.9**	**61.9**	**222.4**	**428.3**	**675.6**	**12.6**	**97.3**
34	**Fabricated metal products**	**14.6**	**278.3**	**10.3**	**21.0**	**193.5**	**491.4**	**500.0**	**996.9**	**12.3**	**174.5**
344	Fabricated structural metal products	8.6	164.2	6.4	13.3	129.0	228.9	310.0	540.4	7.4	80.8
349	Miscellaneous fabricated metal products	2.9	57.7	1.7	3.6	28.2	137.0	96.2	236.0	1.9	76.1
35	**Machinery, except electrical**	**10.8**	**227.8**	**7.7**	**15.5**	**143.5**	**404.8**	**298.4**	**745.5**	**20.8**	**176.8**
353	Construction and related machinery	3.0	65.8	2.1	4.1	41.1	88.5	102.8	224.8	16.7	84.0
359	Miscellaneous machinery, except electrical	4.3	91.7	3.6	7.4	66.7	179.2	53.1	232.9	.1	24.9
36	**Electric and electronic equipment**	**8.3**	**182.3**	**6.6**	**11.3**	**126.4**	**382.9**	**445.8**	**816.3**	**36.8**	**143.7**
366	Communication equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37	**Transportation equipment**	**25.3**	**510.7**	**19.3**	**39.7**	**414.3**	**1 116.5**	**1 612.1**	**2 735.3**	**26.2**	**280.1**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
373	Ship and boat building and repairing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
--	**Auxiliaries**[2]	**4.9**	**224.9**	-	-	-	-	-	-	-	-
Maine	**Maine**	**109.1**	**1 895.5**	**85.6**	**165.3**	**1 321.2**	**4 226.5**	**4 848.3**	**9 088.8**	**340.4**	**1 143.9**
20	**Food and kindred products**	**7.9**	**122.2**	**5.4**	**10.5**	**71.0**	**299.4**	**583.5**	**880.4**	**17.7**	**96.0**
22	**Textile mill products**	**7.8**	**106.8**	**6.3**	**13.0**	**78.1**	**222.4**	**242.7**	**465.0**	**17.5**	**90.6**
23	**Apparel and other textile products**	**5.1**	**49.0**	**4.3**	**6.9**	**34.2**	**115.4**	**127.5**	**256.5**	**5.0**	**44.7**
24	**Lumber and wood products**	**12.4**	**182.3**	**10.5**	**20.5**	**140.2**	**375.5**	**564.3**	**942.2**	**20.7**	**118.3**
241	Logging camps and logging contractors	4.4	74.8	3.5	6.8	56.8	155.2	313.5	473.1	12.1	44.7
242	Sawmills and planing mills	3.1	44.0	2.6	5.1	34.6	85.0	141.4	224.8	2.1	40.1
249	Miscellaneous wood products	4.2	51.6	3.8	7.2	40.6	105.9	74.9	180.7	4.2	28.0
26	**Paper and allied products**	**17.1**	**475.6**	**13.6**	**29.0**	**356.8**	**1 127.5**	**1 686.3**	**2 816.2**	**135.6**	**244.9**
262	Paper mills, except building paper	12.6	366.3	10.1	21.5	276.7	882.3	1 326.4	2 210.9	(D)	187.7
27	**Printing and publishing**	**4.0**	**57.5**	**2.3**	**4.3**	**28.7**	**119.0**	**51.7**	**170.4**	**3.5**	**11.0**
30	**Rubber and miscellaneous plastics products**	**4.9**	**73.4**	**4.1**	**8.0**	**54.3**	**184.5**	**181.4**	**368.2**	**13.9**	**41.2**
31	**Leather and leather products**	**18.8**	**235.0**	**16.0**	**29.6**	**172.2**	**535.0**	**509.1**	**1 018.5**	**14.7**	**192.7**
314	Footwear, except rubber	15.7	188.6	13.4	24.6	141.8	455.4	338.1	782.2	12.3	147.1
34	**Fabricated metal products**	**3.3**	**57.6**	**2.4**	**4.5**	**37.5**	**111.2**	**89.0**	**210.9**	**9.0**	**38.5**
35	**Machinery, except electrical**	**4.6**	**89.6**	**3.1**	**6.2**	**52.3**	**170.3**	**178.1**	**356.0**	**16.6**	**100.7**
36	**Electric and electronic equipment**	**7.3**	**123.7**	**5.4**	**10.5**	**79.7**	**380.1**	**200.5**	**576.3**	**50.5**	**99.3**
367	Electronic components and accessories	4.3	73.9	3.2	6.2	46.0	251.9	97.4	349.2	43.2	55.4
37	**Transportation equipment**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
373	Ship and boat building and repairing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982												
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column[1]			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
202.0	**4 304.1**	**142.4**	**281.0**	**2 730.6**	**11 754.6**	**44 843.5**	**57 058.1**	**2 561.9**	**2**	**1**	**2**	**La.**
23.0	**347.4**	**14.5**	**28.4**	**187.8**	**1 104.8**	**2 793.9**	**3 913.0**	**101.1**	**3**	**3**	**7**	**20**
4.0	75.1	3.2	6.9	58.4	176.8	742.9	938.4	38.7	1	8	11	206
4.0	64.1	1.2	2.5	15.3	227.3	258.6	486.0	24.1	3	7	26	208
3.6	42.7	2.9	5.5	30.2	260.5	585.2	849.0	10.3	9	4	3	209
8.9	**82.1**	**7.7**	**13.3**	**60.4**	**156.7**	**134.6**	**292.8**	**5.0**	**24**	**8**	**3**	**23**
4.8	44.9	4.1	7.0	32.1	83.3	63.1	149.2	1.3	5	6	4	232
10.8	**141.9**	**9.1**	**17.6**	**112.2**	**268.3**	**561.5**	**832.7**	**24.9**	**2**	**7**	**45**	**24**
2.5	31.5	2.2	3.8	26.8	87.4	168.3	259.4	11.7	5	25	65	241
3.0	37.2	2.6	5.2	31.2	65.6	124.1	189.6	5.7	5	14	34	242
3.0	45.4	2.5	5.1	35.4	58.1	152.2	209.6	(D)	4	3	(X)	243
11.0	**285.0**	**8.5**	**17.3**	**210.8**	**705.8**	**1 275.9**	**1 976.5**	**161.3**	**2**	**2**	**1**	**26**
3.6	110.4	2.9	6.0	84.5	294.1	452.8	744.6	95.6	1	1	1	262
2.8	83.2	2.1	4.2	59.8	245.4	383.0	625.8	46.8	1	1	1	263
9.7	**145.2**	**5.5**	**10.0**	**76.3**	**351.9**	**168.2**	**540.7**	**37.0**	**1**	**2**	**45**	**27**
5.0	75.4	2.1	3.8	30.4	206.9	90.0	296.9	27.9	1	1	1	271
3.4	48.4	2.6	4.5	33.5	97.0	70.3	167.9	6.9	2	5	84	275
31.8	**939.7**	**19.6**	**39.9**	**549.2**	**3 098.2**	**7 881.9**	**10 998.5**	**742.9**	**1**	**1**	**2**	**28**
4.2	123.1	2.9	5.0	73.6	418.3	624.1	1 044.9	72.6	1	2	6	281
3.8	120.1	2.3	4.7	71.0	296.0	949.0	1 257.5	39.9	1	1	6	282
15.7	472.6	9.4	19.8	277.4	1 339.9	4 296.1	5 611.8	523.0	2	1	2	286
4.7	143.9	3.0	6.3	85.5	664.5	1 272.2	1 960.6	73.8	1	1	1	287
13.5	**446.8**	**8.4**	**17.3**	**249.6**	**2 479.1**	**27 899.4**	**30 774.1**	**1 168.0**	**1**	**1**	**1**	**29**
12.2	413.9	7.4	15.4	228.7	2 312.8	27 464.3	30 156.6	1 151.4	1	1	1	291
7.4	**129.9**	**5.8**	**11.4**	**93.2**	**310.4**	**404.3**	**704.7**	**45.2**	**6**	**14**	**36**	**32**
4.0	63.9	3.0	5.9	44.7	142.2	204.0	348.2	14.0	11	30	52	327
5.5	**136.6**	**4.0**	**7.5**	**93.2**	**241.0**	**605.4**	**859.5**	**23.7**	**2**	**1**	**13**	**33**
17.6	**342.5**	**13.0**	**26.8**	**233.2**	**714.3**	**636.1**	**1 371.6**	**48.0**	**7**	**6**	**21**	**34**
11.0	217.3	8.4	17.7	155.1	446.2	431.9	896.9	29.6	11	12	28	344
3.6	68.9	2.3	4.8	41.0	138.2	127.2	267.9	11.5	12	10	1	349
13.9	**281.9**	**10.1**	**19.5**	**175.5**	**589.9**	**420.2**	**1 001.8**	**69.0**	**7**	**10**	**12**	**35**
4.6	102.9	3.4	6.2	59.0	244.6	161.4	393.0	51.7	12	45	14	353
5.0	99.1	4.1	8.3	71.6	183.4	77.1	262.2	10.7	15	2	1	359
10.2	**203.1**	**8.1**	**14.1**	**145.2**	**470.1**	**509.9**	**1 001.7**	**34.1**	**1**	**3**	**3**	**36**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	366
26.5	**577.6**	**21.8**	**46.5**	**471.9**	**947.0**	**1 313.8**	**2 251.2**	**90.1**	**3**	**2**	**3**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	373
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
4.3	**137.0**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**
110.2	**1 774.9**	**86.4**	**165.8**	**1 236.8**	**4 037.8**	**4 634.9**	**8 649.1**	**510.3**	**2**	**2**	**3**	**Maine**
9.2	**123.0**	**6.7**	**12.0**	**75.3**	**330.9**	**617.8**	**947.5**	**20.9**	**13**	**11**	**29**	**20**
8.2	**97.4**	**6.6**	**12.9**	**72.1**	**216.3**	**193.1**	**410.0**	**22.4**	**3**	**1**	**9**	**22**
4.1	**45.8**	**3.4**	**5.2**	**28.8**	**166.2**	**93.8**	**253.7**	**3.2**	**15**	**13**	**73**	**23**
12.3	**170.1**	**10.3**	**19.5**	**129.8**	**319.7**	**559.5**	**883.4**	**30.8**	**4**	**3**	**15**	**24**
4.4	71.5	3.4	6.3	51.6	146.9	309.8	458.5	15.5	4	4	23	241
3.0	42.9	2.5	4.9	33.8	75.7	147.3	225.3	5.9	1	5	18	242
4.1	46.3	3.6	7.0	37.4	78.1	77.3	155.1	8.6	7	7	12	249
17.3	**438.6**	**13.7**	**28.6**	**329.1**	**1 071.7**	**1 604.2**	**2 672.5**	**308.4**	**1**	**1**	**1**	**26**
12.9	347.4	10.3	21.3	260.5	842.8	1 277.0	2 116.9	(D)	1	1	(D)	262
3.9	**54.3**	**2.2**	**3.9**	**26.4**	**110.7**	**46.6**	**156.8**	**5.5**	**1**	**2**	**23**	**27**
5.4	**68.1**	**4.5**	**9.1**	**50.8**	**142.6**	**169.0**	**314.0**	**12.2**	**1**	**2**	**5**	**30**
18.6	**220.9**	**15.9**	**30.2**	**163.3**	**475.8**	**502.4**	**975.0**	**11.0**	**1**	**1**	**2**	**31**
15.5	180.2	13.2	25.1	134.8	420.1	343.0	758.1	8.9	1	1	2	314
3.5	**58.2**	**2.6**	**5.0**	**37.6**	**123.5**	**92.6**	**217.8**	**7.8**	**3**	**9**	**29**	**34**
5.0	**91.2**	**3.4**	**6.4**	**53.8**	**258.4**	**159.3**	**413.4**	**17.0**	**4**	**3**	**20**	**35**
7.1	**102.4**	**5.2**	**10.2**	**65.2**	**281.7**	**154.9**	**422.8**	**40.5**	**2**	**4**	**5**	**36**
4.2	58.5	3.2	6.3	35.8	171.3	70.0	232.6	27.7	1	5	5	367
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	373

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Md.	**Maryland**	**225.7**	**5 031.5**	**140.3**	**269.4**	**2 635.0**	**10 735.8**	**11 767.9**	**22 481.1**	**865.3**	**3 289.6**
20	**Food and kindred products**	**18.2**	**372.2**	**11.0**	**28.3**	**210.9**	**1 432.0**	**2 649.5**	**4 099.0**	**129.2**	**190.9**
201	Meat products	5.7	67.2	4.7	8.7	47.7	162.5	434.4	593.9	4.7	22.3
208	Beverages	3.7	86.2	2.0	3.9	37.8	434.1	485.3	923.1	64.7	84.3
209	Miscellaneous foods and kindred products	4.0	64.7	2.4	3.9	32.5	160.8	342.9	507.0	15.6	64.3
23	**Apparel and other textile products**	**13.6**	**161.1**	**11.0**	**20.4**	**116.4**	**324.0**	**275.5**	**596.2**	**4.6**	**107.6**
231	Men's and boys' suits and coats	2.8	37.2	2.1	3.8	27.7	54.5	37.0	98.6	.6	31.2
232	Men's and boys' furnishings	2.6	26.9	2.3	4.5	22.0	51.8	38.5	90.1	1.5	11.2
233	Women's and misses' outerwear	3.7	40.7	3.0	5.0	26.5	69.5	76.2	142.9	1.2	20.1
24	**Lumber and wood products**	**4.2**	**59.6**	**3.5**	**6.8**	**44.7**	**114.8**	**166.9**	**280.5**	**14.6**	**31.9**
25	**Furniture and fixtures**	**3.7**	**59.2**	**2.9**	**1.6**	**39.7**	**110.3**	**109.2**	**215.0**	**4.4**	**39.7**
26	**Paper and allied products**	**10.2**	**203.7**	**6.9**	**13.5**	**131.1**	**533.3**	**502.7**	**1 036.9**	**69.0**	**133.5**
265	Paperboard containers and boxes	6.9	120.3	4.4	8.3	72.8	303.8	309.3	608.4	(D)	86.5
27	**Printing and publishing**	**22.5**	**433.9**	**14.6**	**28.3**	**254.3**	**912.9**	**596.3**	**1 507.7**	**58.3**	**135.7**
271	Newspapers	4.8	97.6	1.9	3.4	34.2	217.2	69.5	286.7	10.2	9.1
275	Commercial printing	10.1	196.3	7.9	15.3	140.7	386.9	286.9	670.3	34.1	61.6
28	**Chemicals and allied products**	**11.7**	**283.8**	**6.4**	**12.8**	**137.0**	**1 111.2**	**1 273.8**	**2 394.1**	**85.9**	**339.6**
284	Soaps, cleaners, and toilet goods	3.1	83.7	1.9	3.8	47.9	456.5	451.5	912.7	36.1	105.6
30	**Rubber and miscellaneous plastics products**	**9.0**	**160.5**	**7.1**	**13.7**	**113.2**	**351.5**	**418.7**	**756.7**	**24.9**	**87.2**
307	Miscellaneous plastics products	5.1	88.1	3.9	7.5	59.5	212.0	245.9	451.2	20.1	53.3
32	**Stone, clay, and glass products**	**6.2**	**127.7**	**4.8**	**9.5**	**91.4**	**281.2**	**334.6**	**617.7**	**20.8**	**83.8**
327	Concrete, gypsum, and plaster products	3.1	56.5	2.2	4.6	35.7	139.9	200.3	342.7	7.3	28.2
33	**Primary metal industries**	**17.8**	**509.8**	**13.3**	**24.6**	**363.2**	**972.7**	**1 247.1**	**2 267.4**	**83.3**	**577.3**
331	Blast furnace and basic steel products	14.0	406.8	10.4	19.6	288.8	712.0	343.9	1 588.3	(D)	518.3
34	**Fabricated metal products**	**11.9**	**228.0**	**8.9**	**17.6**	**147.2**	**434.3**	**763.7**	**1 175.9**	**26.8**	**207.4**
344	Fabricated structural metal products	5.9	103.8	4.3	8.4	61.4	150.0	266.5	410.4	9.7	90.3
35	**Machinery, except electrical**	**17.4**	**368.5**	**11.9**	**22.2**	**228.0**	**845.6**	**619.4**	**1 452.6**	**65.4**	**300.2**
351	Engines and turbines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
358	Refrigeration and service machinery	2.7	51.8	1.8	3.4	29.3	118.8	124.5	240.1	7.1	50.5
359	Miscellaneous machinery, except electrical	3.7	73.2	3.0	6.1	55.4	128.7	67.3	192.9	10.9	47.9
36	**Electric and electronic equipment**	**43.0**	**1 172.6**	**21.9**	**38.4**	**446.3**	**2 153.5**	**1 306.5**	**3 406.1**	**164.9**	**788.6**
366	Communication equipment	32.8	976.8	14.6	24.4	326.8	1 687.0	911.0	2 545.9	128.5	634.7
367	Electronic components and accessories	2.9	49.1	2.1	4.1	34.5	84.0	45.5	135.4	18.7	13.0
37	**Transportation equipment**	**11.2**	**309.5**	**7.7**	**15.3**	**199.9**	**743.9**	**1 038.6**	**1 788.2**	**89.6**	**105.6**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
373	Ship and boat building and repairing	2.9	64.9	2.2	3.7	44.3	113.4	92.5	208.3	4.5	7.2
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**4.4**	**79.8**	**3.1**	**6.7**	**46.0**	**150.9**	**148.7**	**295.9**	**12.6**	**74.2**
--	**Auxiliaries[2]**	**14.1**	**406.0**	-	-	-	-	-	-	-	-
Mass.	**Massachusetts**	**630.0**	**13 134.1**	**386.6**	**745.8**	**6 200.4**	**27 702.3**	**23 359.5**	**50 652.3**	**1 670.3**	**9 156.3**
20	**Food and kindred products**	**26.5**	**465.9**	**16.7**	**33.5**	**254.9**	**1 154.8**	**2 623.6**	**3 784.3**	**104.1**	**308.9**
202	Dairy products	4.6	88.7	2.1	4.2	38.4	163.9	703.9	869.2	41.7	24.4
205	Bakery products	5.5	98.5	2.6	5.4	42.9	244.0	154.4	398.0	8.0	10.8
206	Sugar and confectionery products	3.3	54.0	2.7	5.5	37.3	142.3	322.5	467.5	7.5	51.2
208	Beverages	3.6	69.1	2.2	4.3	35.4	184.1	427.5	616.7	29.9	61.2
209	Miscellaneous foods and kindred products	5.6	89.2	4.3	8.2	55.7	254.5	605.8	861.4	12.9	106.4
22	**Textile mill products**	**20.4**	**323.4**	**16.4**	**32.6**	**227.6**	**703.6**	**790.5**	**1 488.5**	**34.4**	**212.7**
222	Weaving mills, synthetics	3.5	59.4	2.7	5.8	42.1	131.0	155.4	283.5	11.1	44.2
225	Knitting mills	4.2	56.5	3.5	6.4	42.2	126.7	160.1	284.3	3.2	29.6
226	Textile finishing, except wool	4.7	80.1	3.8	7.8	58.5	138.5	160.3	300.2	6.8	37.2
229	Miscellaneous textile goods	4.2	75.6	3.3	6.7	50.3	207.3	238.7	441.6	9.0	68.0
23	**Apparel and other textile products**	**36.2**	**400.1**	**30.2**	**52.9**	**277.2**	**849.1**	**908.6**	**1 760.0**	**13.1**	**265.4**
231	Men's and boys' suits and coats	5.6	69.6	4.4	7.7	45.5	162.3	184.8	348.2	1.9	68.4
232	Men's and boys' furnishings	2.8	29.8	2.5	4.4	20.0	63.2	42.1	104.8	.5	16.5
233	Women's and misses' outerwear	15.6	164.5	13.1	22.7	117.3	339.0	347.5	685.3	4.2	82.9
239	Miscellaneous fabricated textile products	7.2	84.4	6.2	10.5	56.2	181.2	245.6	427.2	5.8	67.4
24	**Lumber and wood products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
25	**Furniture and fixtures**	**7.9**	**124.6**	**6.1**	**11.6**	**76.8**	**295.4**	**184.7**	**474.1**	**9.3**	**75.3**
251	Household furniture	4.7	61.7	4.0	7.2	43.3	147.4	112.4	251.7	1.8	46.3
26	**Paper and allied products**	**25.3**	**497.0**	**18.6**	**38.2**	**315.5**	**1 158.8**	**1 367.9**	**2 502.0**	**79.6**	**344.0**
262	Paper mills, except building paper	5.4	128.1	4.0	8.8	89.5	290.1	394.3	678.1	19.9	101.9
264	Miscellaneous converted paper products	11.4	210.2	7.9	15.7	121.1	551.4	535.2	1 069.8	35.1	150.0
265	Paperboard containers and boxes	8.1	145.7	6.3	12.7	94.6	289.6	396.2	684.4	(D)	87.1

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
234.4	**4 859.3**	**145.9**	**270.6**	**2 550.8**	**10 133.8**	**11 256.1**	**21 281.5**	**718.1**	**2**	**1**	**6**	**Md.**
23.3	**380.1**	**15.0**	**29.4**	**217.2**	**1 336.6**	**2 632.6**	**3 935.1**	**65.7**	**18**	**3**	**31**	**20**
5.5	68.4	4.5	8.7	48.9	121.6	459.4	581.3	7.3	1	1	7	201
3.7	81.0	1.8	3.9	38.3	432.6	433.3	837.8	14.8	2	6	59	208
3.7	57.8	2.1	3.8	31.6	200.5	360.1	556.8	9.2	3	3	3	209
13.9	**161.0**	**11.8**	**20.2**	**112.6**	**371.3**	**319.4**	**692.6**	**4.5**	**1**	**2**	**17**	**23**
3.1	41.3	2.4	4.2	28.3	83.6	99.9	190.2	.6	2	2	25	231
2.5	25.9	2.3	4.2	19.7	51.1	36.8	87.8	1.2	3	3	49	232
3.5	38.1	3.1	5.0	25.1	71.7	65.9	139.4	.9	1	4	3	233
3.4	**45.4**	**2.8**	**5.3**	**34.0**	**87.7**	**131.4**	**220.8**	**8.6**	**8**	**13**	**37**	**24**
3.5	**51.2**	**2.8**	**5.9**	**33.5**	**94.3**	**100.2**	**189.0**	**4.1**	**6**	**9**	**15**	**25**
9.6	**179.6**	**6.2**	**12.1**	**99.8**	**419.3**	**437.9**	**850.6**	**63.5**	**3**	**5**	**19**	**26**
6.3	102.7	3.7	6.9	46.3	202.7	243.4	447.7	(D)	4	8	(X)	265
22.2	**400.2**	**14.2**	**26.9**	**232.0**	**826.6**	**535.0**	**1 359.9**	**58.1**	**3**	**3**	**17**	**27**
4.8	91.7	1.9	3.7	32.2	202.3	71.8	274.1	10.4	1	1	1	271
9.8	180.0	7.6	14.3	128.1	328.6	257.3	585.5	32.7	4	4	28	275
11.9	**258.6**	**6.7**	**13.3**	**126.1**	**1 125.7**	**1 196.7**	**2 334.5**	**93.3**	**4**	**2**	**5**	**28**
3.1	72.8	1.8	3.6	37.9	402.1	283.6	873.2	34.8	1	1	4	284
9.2	**155.3**	**7.3**	**13.3**	**108.7**	**346.7**	**409.8**	**764.7**	**18.5**	**2**	**3**	**26**	**30**
5.1	80.1	4.0	7.4	52.9	185.0	220.0	403.9	12.9	3	5	32	307
6.9	**133.2**	**5.1**	**9.9**	**93.4**	**270.5**	**323.5**	**594.4**	**24.6**	**2**	**10**	**17**	**32**
2.9	53.1	2.0	4.1	32.8	125.4	181.8	307.7	7.7	2	9	37	327
19.9	**567.9**	**14.6**	**25.0**	**401.1**	**906.2**	**1 445.7**	**2 350.5**	**80.4**	**1**	**2**	**2**	**33**
15.6	453.3	11.2	19.1	316.9	637.9	827.0	1 469.7	(D)	1	2	(X)	331
12.4	**235.2**	**9.1**	**18.2**	**161.4**	**532.4**	**707.0**	**1 246.1**	**21.2**	**4**	**5**	**20**	**34**
6.2	111.8	4.5	8.9	74.1	214.8	266.2	489.6	10.0	6	12	23	344
17.9	**372.7**	**12.2**	**23.1**	**234.9**	**835.4**	**554.2**	**1 403.2**	**56.4**	**2**	**2**	**13**	**35**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	351
2.3	44.1	1.6	3.0	27.4	89.6	100.9	189.9	5.4	1	4	3	358
3.8	76.2	3.0	6.3	55.9	135.8	54.6	192.4	10.2	2	5	73	359
42.1	**1 040.5**	**21.8**	**37.0**	**404.3**	**1 929.2**	**1 192.0**	**3 036.5**	**155.9**	**1**	**3**	**4**	**36**
31.7	871.5	14.7	24.2	311.4	1 503.1	839.7	2 235.1	117.5	1	3	3	366
2.6	40.7	1.8	3.4	22.3	75.2	48.2	123.6	17.2	12	22	26	367
12.2	**306.4**	**8.4**	**15.8**	**193.5**	**650.4**	**839.8**	**1 477.3**	**39.1**	**1**	**1**	**2**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
3.4	76.6	2.4	4.4	52.2	136.7	76.1	213.8	2.7	1	3	16	373
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
3.5	**59.6**	**2.5**	**4.9**	**35.4**	**117.3**	**79.9**	**197.5**	**7.0**	**15**	**21**	**46**	**38**
15.6	**420.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**
643.4	**12 353.1**	**397.0**	**765.2**	**6 000.6**	**25 967.5**	**22 145.8**	**48 203.9**	**1 667.3**	**1**	**1**	**3**	**Mass.**
26.0	**436.9**	**17.2**	**33.3**	**251.3**	**1 161.3**	**2 601.6**	**3 763.8**	**84.8**	**2**	**4**	**12**	**20**
3.9	68.8	2.3	4.7	41.1	185.8	682.7	869.3	22.4	4	23	9	202
5.3	95.8	2.5	5.2	38.7	236.6	148.6	385.0	11.1	4	1	39	205
3.4	52.7	2.7	5.4	36.1	149.5	316.3	470.0	14.4	1	1	7	206
3.1	58.0	2.0	3.7	29.3	181.3	375.3	557.7	15.3	8	15	35	208
6.3	94.8	4.7	8.4	60.7	231.2	653.2	880.8	12.8	2	2	42	209
20.9	**305.4**	**16.9**	**33.0**	**214.7**	**621.0**	**771.2**	**1 397.7**	**36.0**	**2**	**3**	**6**	**22**
3.4	50.6	2.7	5.4	37.2	85.4	129.3	216.2	8.7	3	4	4	222
3.9	49.2	3.3	5.0	36.3	95.7	144.5	244.1	2.1	1	7	19	225
5.1	77.7	4.1	8.3	55.1	158.1	144.9	300.4	8.9	1	2	15	226
4.1	71.5	3.2	6.4	46.6	162.0	258.2	421.4	11.2	2	4	14	229
38.3	**405.8**	**32.5**	**55.5**	**288.0**	**838.0**	**928.6**	**1 763.5**	**15.4**	**4**	**3**	**18**	**23**
6.3	75.2	5.5	9.3	55.4	189.0	196.0	363.6	2.1	10	6	1	231
2.8	29.0	2.3	3.9	20.7	61.2	58.0	120.1	1.0	11	8	24	232
15.9	164.2	13.5	22.2	115.4	318.1	406.2	734.8	5.5	2	3	16	233
7.0	76.0	5.8	9.8	51.6	155.9	177.7	338.8	5.1	8	4	37	239
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**24**
7.0	**104.5**	**5.3**	**9.6**	**63.8**	**215.6**	**172.1**	**389.4**	**9.4**	**7**	**13**	**35**	**25**
4.4	54.6	3.6	6.3	36.9	107.9	101.3	208.9	4.1	4	18	26	251
26.2	**493.4**	**19.1**	**39.3**	**310.3**	**1 058.2**	**1 349.8**	**2 411.7**	**86.2**	**3**	**3**	**7**	**26**
5.5	119.5	4.1	8.8	85.0	249.7	386.0	638.9	23.7	1	2	15	2[illegible]2
12.6	229.4	8.8	17.9	132.1	521.7	578.9	1 102.6	43.1	5	5	5	264
7.7	132.6	5.9	11.6	84.1	260.3	348.4	607.5	(D)	6	7	(D)	265

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983 — All employees — Number (1,000)	All employees — Payroll (million dollars)	Production workers — Number (1,000)	Production workers — Hours (millions)	Production workers — Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Mass.	**Massachusetts** – Con.										
27	**Printing and publishing**	**48.2**	**924.4**	**26.3**	**48.0**	**420.8**	**2 186.9**	**1 111.7**	**3 279.5**	**120.2**	**301.8**
271	Newspapers	13.1	256.8	4.0	6.9	78.1	660.2	189.0	847.6	47.6	23.9
272	Periodicals	2.8	81.5	.5	.9	7.4	165.3	121.7	287.2	4.2	16.5
273	Books	7.5	164.0	3.3	6.7	63.3	541.3	260.0	783.1	28.5	130.5
275	Commercial printing	16.3	278.0	12.4	21.8	182.4	530.4	367.3	899.4	29.4	62.1
278	Blankbooks and bookbinding	4.9	85.9	3.7	6.9	56.0	172.8	89.6	259.0	8.9	43.5
28	**Chemicals and allied products**	**14.9**	**357.3**	**7.9**	**15.9**	**162.1**	**1 119.6**	**1 078.0**	**2 183.2**	**82.0**	**315.1**
284	Soaps, cleaners, and toilet goods	3.0	74.0	1.9	3.8	35.9	355.2	245.5	586.7	25.0	74.5
30	**Rubber and miscellaneous plastics products**	**29.6**	**509.0**	**22.4**	**44.1**	**327.5**	**1 089.6**	**1 099.5**	**2 163.3**	**97.0**	**356.8**
306	Fabricated rubber products, n.e.c.	5.7	114.8	4.2	8.3	70.4	235.9	209.0	442.2	10.2	65.5
307	Miscellaneous plastics products	22.7	374.6	17.4	34.0	245.6	777.2	851.5	1 629.1	83.4	247.6
31	**Leather and leather products**	**15.5**	**202.6**	**12.7**	**23.1**	**133.2**	**410.5**	**459.2**	**876.7**	**8.9**	**141.2**
314	Footwear, except rubber	7.8	91.3	6.4	11.4	64.6	194.9	165.9	367.4	3.6	66.4
32	**Stone, clay, and glass products**	**11.2**	**237.9**	**7.5**	**14.0**	**132.5**	**496.9**	**372.5**	**865.8**	**35.7**	**152.3**
327	Concrete, gypsum, and plaster products	2.7	55.2	1.9	3.8	37.7	122.8	133.9	255.3	6.9	20.5
329	Miscellaneous nonmetallic mineral products	7.0	155.7	4.2	7.8	74.2	329.6	181.4	507.3	26.4	109.9
33	**Primary metal industries**	**13.9**	**275.0**	**10.3**	**20.2**	**173.6**	**608.3**	**1 508.0**	**2 123.0**	**32.7**	**321.2**
335	Nonferrous rolling and drawing	8.5	173.7	6.1	12.1	104.5	417.6	1 129.2	1 536.7	25.4	175.5
34	**Fabricated metal products**	**49.1**	**970.1**	**35.9**	**69.4**	**598.0**	**2 022.3**	**1 395.5**	**3 471.5**	**107.3**	**750.1**
342	Cutlery, hand tools, and hardware	8.3	169.3	6.5	12.6	118.8	469.0	200.6	674.0	23.7	140.8
344	Fabricated structural metal products	7.6	138.6	5.6	11.1	89.7	300.0	274.5	576.8	10.9	78.9
345	Screw machine products, bolts, etc.	4.1	78.4	3.1	6.2	51.5	134.8	95.1	229.6	5.7	48.0
346	Metal forgings and stampings	11.4	239.3	7.5	14.2	123.5	459.9	357.0	858.0	39.8	254.8
347	Metal services, n.e.c.	4.2	67.5	3.2	6.5	42.7	99.7	77.9	179.3	5.8	13.0
348	Ordnance and accessories, n.e.c.	4.8	90.3	3.8	7.5	63.9	171.5	99.1	284.9	(D)	47.7
349	Miscellaneous fabricated metal products	7.1	157.1	4.5	8.9	88.8	312.9	203.6	508.1	15.3	141.8
35	**Machinery, except electrical**	**93.2**	**2 271.5**	**50.6**	**99.3**	**894.9**	**5 451.0**	**3 668.0**	**8 955.9**	**366.0**	**2 284.9**
351	Engines and turbines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
354	Metalworking machinery	12.4	252.5	8.6	16.8	158.3	440.4	223.7	682.5	11.8	210.6
355	Special industry machinery	15.0	318.6	7.3	13.8	133.9	683.7	446.3	1 141.9	27.3	289.9
356	General industrial machinery	9.6	212.3	5.5	10.3	104.2	431.9	251.6	682.8	15.3	180.2
357	Office and computing machines	37.9	1 075.8	16.4	32.1	258.2	3 160.5	2 328.9	5 286.4	250.5	1 366.3
359	Miscellaneous machinery, except electrical	9.5	193.7	7.7	15.9	132.3	328.7	139.3	481.0	(D)	47.8
36	**Electric and electronic equipment**	**93.4**	**2 025.0**	**61.5**	**121.4**	**1 066.8**	**4 365.7**	**2 856.6**	**7 148.4**	**342.6**	**1 336.9**
361	Electric distributing equipment	5.5	115.9	3.9	7.6	65.8	236.7	104.4	349.2	11.4	75.7
362	Electrical industrial apparatus	3.8	86.1	1.8	3.7	33.1	178.3	91.8	273.3	8.3	50.8
364	Electric lighting and wiring equipment	6.8	126.6	5.3	10.1	84.9	368.1	238.5	602.8	10.2	111.0
366	Communication equipment	36.9	947.9	23.1	46.2	476.6	1 977.7	1 432.0	3 341.3	161.8	610.2
367	Electronic components and accessories	30.6	553.1	21.5	41.9	318.0	1 182.5	659.8	1 822.0	102.7	351.8
369	Miscellaneous electrical equipment and supplies	7.0	145.4	4.0	8.8	65.3	319.3	223.9	550.5	45.3	100.8
37	**Transportation equipment**	**22.5**	**594.2**	**16.1**	**29.5**	**372.3**	**1 741.2**	**1 517.8**	**3 190.2**	**55.4**	**504.0**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
373	Ship and boat building and repairing	4.6	103.5	3.4	6.6	60.0	183.7	138.6	321.5	5.5	30.6
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**45.7**	**1 061.9**	**26.5**	**52.5**	**489.8**	**2 753.4**	**1 406.4**	**4 103.6**	**136.1**	**1 037.9**
381	Engineering and scientific instruments	3.0	69.1	1.9	3.9	39.7	159.2	64.9	219.5	12.2	59.6
382	Measuring and controlling devices	18.0	400.5	9.4	18.0	174.1	1 034.7	397.0	1 407.2	54.3	380.8
383	Optical instruments and lenses	7.6	190.4	3.1	6.1	53.9	319.8	243.6	575.3	21.8	167.4
384	Medical instruments and supplies	5.4	103.4	3.4	6.3	43.9	245.2	120.8	363.9	8.0	72.9
385	Ophthalmic goods	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
386	Photographic equipment and supplies	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39	**Miscellaneous manufacturing industries**	**22.9**	**368.0**	**15.4**	**29.4**	**205.9**	**1 053.7**	**692.5**	**1 721.2**	**31.6**	**372.5**
391	Jewelry, silverware, and plated ware	6.5	98.2	3.9	7.1	50.9	238.6	261.7	477.6	4.9	162.0
394	Toys and sporting goods	5.9	108.6	4.0	7.3	61.0	488.9	210.5	697.6	14.9	104.8
396	Costume jewelry and notions	3.4	43.9	2.0	4.4	24.7	119.6	77.5	197.6	2.6	29.3
399	Miscellaneous manufactures	6.3	104.5	4.8	9.2	60.9	180.4	123.9	302.1	9.1	65.8
—	**Auxiliaries**[2]	**45.3**	**1 393.7**	-	-	-	-	-	-	-	-

See footnotes at end of table.

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1982—Con.

xplanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ -			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
48.0	**838.9**	**26.0**	**47.0**	**395.4**	**1 960.4**	**1 008.1**	**2 971.1**	**113.6**	**2**	**2**	**12**	**Mass.** **27**
13.5	231.2	4.3	7.5	73.4	563.8	178.4	742.2	42.4	3	4	5	271
2.8	65.3	6	1.0	7.3	171.8	97.7	268.4	7.0	13	3	41	272
7.5	144.3	3.2	6.2	56.1	471.0	224.4	703.4	9.9	2	1	16	273
15.7	263.3	11.7	21.4	173.0	484.4	360.4	843.7	40.0	4	5	41	275
4.9	78.4	3.8	6.4	51.4	147.4	74.9	219.6	4.5	3	9	35	278
15.1	**330.3**	**8.4**	**16.5**	**157.1**	**981.6**	**1 051.3**	**2 051.0**	**102.8**	**1**	**4**	**14**	**28**
2.9	60.3	1.9	3.7	30.9	318.7	234.4	554.2	17.1	2	9	40	284
31.4	**490.2**	**24.2**	**47.3**	**318.7**	**1 068.7**	**1 168.1**	**2 240.5**	**87.8**	**8**	**10**	**27**	**30**
5.4	97.6	3.9	7.7	62.4	186.9	189.0	379.9	10.5	2	4	5	306
24.7	370.1	19.3	37.6	242.9	824.2	948.5	1 770.7	75.9	11	13	31	307
17.1	**201.5**	**14.2**	**24.7**	**135.3**	**437.9**	**465.0**	**899.8**	**11.3**	**1**	**2**	**28**	**31**
9.1	97.2	7.7	13.0	69.7	230.0	187.3	414.0	4.1	1	1	4	314
11.7	**234.2**	**7.5**	**14.3**	**128.5**	**471.6**	**383.8**	**869.1**	**44.6**	**2**	**2**	**10**	**32**
2.8	56.0	2.1	4.2	37.7	120.7	136.9	257.7	6.7	4	4	43	327
7.5	152.8	4.3	7.7	71.3	302.8	195.1	512.6	35.0	1	2	8	329
13.7	**256.2**	**10.5**	**20.4**	**169.4**	**535.5**	**1 393.4**	**1 942.9**	**48.4**	**2**	**3**	**12**	**33**
8.0	152.1	6.1	12.1	99.5	324.0	1 005.7	1 340.0	33.4	3	4	13	335
50.7	**956.3**	**36.9**	**72.2**	**594.6**	**2 004.9**	**1 391.1**	**3 416.5**	**140.1**	**2**	**2**	**7**	**34**
8.4	158.2	6.7	12.8	111.1	449.0	177.8	628.2	29.9	2	3	6	342
7.5	136.3	5.6	10.6	86.2	270.5	267.8	543.3	12.6	7	6	35	344
4.5	79.5	3.3	6.3	52.0	138.0	94.9	231.4	3.9	2	3	18	345
11.4	231.8	7.1	14.9	120.4	471.4	392.9	880.5	51.3	3	2	3	346
4.1	60.8	3.3	6.4	40.8	109.5	73.7	183.1	7.6	4	16	39	347
5.3	100.4	4.6	9.0	73.9	191.3	97.7	283.9	(D)	1	1	(X)	348
7.9	161.3	5.2	9.9	92.3	310.2	209.8	524.0	15.3	1	3	29	349
96.2	**2 143.5**	**54.0**	**109.0**	**936.7**	**5 142.0**	**3 204.9**	**8 391.4**	**365.3**	**1**	**1**	**4**	**35**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	351
14.1	281.6	9.7	19.2	174.1	509.5	263.7	772.8	31.0	1	2	12	354
15.1	308.1	8.2	18.1	147.9	526.8	486.9	1 024.6	36.5	2	3	2	355
10.8	242.8	6.4	12.4	121.2	451.4	276.5	745.5	28.9	1	2	6	356
36.6	898.1	16.3	32.1	246.3	2 894.2	1 760.3	4 637.6	207.6	1	1	1	357
9.8	184.2	7.6	15.4	124.4	339.3	130.5	471.0	(D)	4	6	(X)	359
95.7	**1 925.8**	**62.9**	**122.9**	**1 040.0**	**4 162.1**	**2 727.3**	**6 917.7**	**273.5**	**2**	**2**	**4**	**36**
5.8	116.8	4.3	8.2	69.4	212.0	119.0	335.5	7.3	4	5	19	361
5.0	98.1	2.8	5.4	41.1	192.6	112.3	308.2	15.4	4	2	6	362
7.4	125.5	5.6	10.3	60.5	326.5	211.0	539.3	12.7	5	4	21	364
36.3	875.7	22.4	45.1	472.0	1 905.5	1 382.4	3 322.8	97.7	1	1	4	366
31.6	538.2	21.8	42.6	296.3	1 103.7	573.5	1 659.4	104.2	6	4	10	367
6.8	125.8	4.1	8.3	56.9	339.1	224.6	561.2	28.8	3	9	3	369
20.2	**503.7**	**12.9**	**25.2**	**258.9**	**1 578.8**	**1 268.5**	**2 804.8**	**66.1**	**1**	**2**	**2**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
4.9	99.8	3.6	6.8	59.9	138.0	92.9	232.5	2.3	1	1	9	373
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
49.4	**1 006.7**	**28.3**	**55.1**	**473.1**	**2 607.5**	**1 272.5**	**3 839.5**	**141.2**	**1**	**1**	**7**	**38**
2.8	61.0	1.7	3.6	35.0	127.0	59.3	178.6	6.2	1	5	5	381
19.4	385.2	10.3	20.0	166.6	966.8	409.9	1 385.7	69.5	1	2	14	382
8.3	183.1	3.3	6.3	59.1	347.3	217.0	568.1	28.6	2	2	6	383
5.3	94.8	3.3	6.3	43.9	221.3	108.2	325.2	11.1	2	5	15	384
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	385
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	386
22.2	**331.2**	**15.2**	**30.1**	**196.7**	**877.9**	**585.7**	**1 585.2**	**31.0**	**2**	**2**	**16**	**39**
6.7	96.7	4.0	8.1	56.8	221.3	288.1	517.9	4.8	2	4	22	391
6.3	106.8	4.2	8.4	60.8	385.5	207.5	602.1	15.6	3	2	23	394
2.9	40.2	2.2	4.4	23.8	93.2	70.8	167.4	1.3	8	7	45	396
5.5	74.8	4.1	8.0	47.2	154.9	100.2	254.7	6.8	3	7	34	399
47.3	**1 286.9**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Mich.	**Michigan**	874.3	23 950.0	575.9	1 172.4	13 914.9	48 206.3	66 967.4	114 842.8	2 546.8	10 805.4
20	**Food and kindred products**	40.3	857.0	29.9	60.7	591.0	3 101.8	4 986.5	8 097.6	183.3	529.4
201	Meat products	7.6	143.2	6.2	12.8	107.2	343.0	1 563.3	1 910.9	23.5	57.8
202	Dairy products	4.9	100.9	3.0	6.0	61.6	437.4	1 055.3	1 485.5	25.1	63.2
203	Preserved fruits and vegetables	7.4	115.0	6.0	11.3	81.5	434.4	642.3	1 085.8	30.9	188.6
204	Grain mill products	5.5	181.0	4.4	9.4	145.2	841.1	520.5	1 363.0	43.1	77.0
205	Bakery products	5.2	110.3	3.4	7.1	66.0	302.9	204.0	508.5	9.9	19.2
208	Beverages	4.8	119.5	3.2	6.7	76.8	367.1	618.5	986.8	29.1	70.7
23	**Apparel and other textile products**	18.4	459.0	15.4	31.3	365.3	1 026.4	1 032.8	2 050.0	38.2	152.4
239	Miscellaneous fabricated textile products	14.9	416.0	12.7	26.2	339.0	946.5	922.4	1 859.0	37.7	110.8
24	**Lumber and wood products**	11.0	158.1	9.3	16.7	117.9	335.3	483.0	829.0	26.3	95.6
242	Sawmills and planing mills	2.6	33.8	2.2	4.1	26.9	58.4	93.5	152.5	(D)	21.8
243	Millwork, plywood, and structural members	3.0	44.4	2.5	4.5	34.2	136.1	149.8	284.4	(D)	31.6
25	**Furniture and fixtures**	20.4	467.8	15.0	29.1	287.1	1 195.9	770.0	1 936.0	162.4	305.2
251	Household furniture	4.0	56.3	3.3	6.4	40.3	118.9	95.2	212.7	3.8	54.8
252	Office furniture	11.1	296.1	7.9	15.1	178.8	749.6	449.2	1 174.2	151.7	160.6
254	Partitions and fixtures	2.8	54.6	2.1	4.2	35.1	142.5	86.2	226.0	1.9	37.5
26	**Paper and allied products**	20.1	495.7	15.0	31.7	349.8	1 141.1	1 656.4	2 793.3	89.8	307.6
262	Paper mills, except building paper	6.8	202.2	5.2	12.0	153.3	467.4	672.2	1 140.8	49.0	134.5
264	Miscellaneous converted paper products	4.9	93.2	3.6	7.4	64.1	301.3	385.3	681.8	(D)	60.1
265	Paperboard containers and boxes	6.1	134.5	4.3	8.5	81.9	275.0	437.4	711.9	(D)	82.0
27	**Printing and publishing**	35.6	681.1	19.9	36.5	341.7	1 481.6	896.1	2 367.8	61.6	192.7
271	Newspapers	12.5	240.2	4.5	7.7	77.0	492.3	206.2	698.6	11.7	25.1
274	Miscellaneous publishing	2.6	41.1	1.2	2.0	14.0	123.7	41.4	164.5	13.8	16.0
275	Commercial printing	12.4	239.9	8.8	16.5	153.8	499.2	439.8	932.5	17.1	85.7
279	Printing trade services	2.5	54.8	1.9	3.8	40.0	96.3	30.1	128.5	10.0	10.2
28	**Chemicals and allied products**	29.8	783.8	17.5	34.0	410.5	2 610.2	2 616.1	5 196.3	261.8	807.9
283	Drugs	6.5	174.3	5.0	9.2	126.8	735.1	462.8	1 197.0	49.9	239.2
284	Soaps, cleaners, and toilet goods	5.3	119.5	2.2	4.3	41.9	313.7	476.2	813.3	17.7	108.0
285	Paints and allied products	3.0	81.1	1.7	3.3	38.9	324.4	307.5	626.1	12.1	73.0
286	Industrial organic chemicals	7.3	224.3	3.6	7.0	97.8	521.3	642.3	1 147.7	142.3	201.7
289	Miscellaneous chemical products	3.7	82.1	2.4	5.3	49.2	311.2	363.8	657.8	18.3	86.8
30	**Rubber and miscellaneous plastics products**	31.7	534.7	25.0	54.4	349.9	1 241.6	1 264.2	2 475.6	55.3	283.2
306	Fabricated rubber products, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
307	Miscellaneous plastics products	27.4	450.7	21.6	47.8	293.4	1 051.5	1 105.0	2 125.0	50.9	251.8
32[*]	**Stone, clay, and glass products**	15.9	347.2	11.9	23.1	241.8	768.9	807.0	1 562.9	53.7	256.6
323	Products of purchased glass	2.8	59.5	2.1	4.2	39.6	107.3	127.4	234.0	6.2	34.3
327	Concrete, gypsum, and plaster products	4.5	82.9	3.3	6.5	55.2	187.3	212.9	387.4	19.7	40.6
329	Miscellaneous nonmetallic mineral products	3.7	70.4	2.6	5.2	43.1	163.7	221.0	389.7	8.8	67.7
33	**Primary metal industries**	48.5	1 341.4	38.2	76.0	991.8	2 288.1	3 559.4	5 912.8	178.0	993.9
331	Blast furnace and basic steel products	15.3	523.5	11.7	22.9	384.4	899.6	1 870.3	2 841.8	59.2	650.8
332	Iron and steel foundries	16.1	465.2	12.8	26.6	353.5	718.6	612.6	1 323.6	24.9	90.2
335	Nonferrous rolling and drawing	5.0	104.0	3.9	7.5	74.1	213.4	490.8	685.1	9.8	119.0
336	Nonferrous foundries	8.1	157.8	6.8	12.8	118.8	337.2	295.0	627.2	17.0	58.3
339	Miscellaneous primary metal products	3.2	70.0	2.5	4.9	47.3	136.3	83.7	224.0	2.7	27.0
34	**Fabricated metal products**	106.5	2 523.8	83.7	171.6	1 831.6	5 328.5	5 256.3	10 508.7	204.3	1 332.3
342	Cutlery, hand tools, and hardware	12.5	309.5	9.8	19.1	226.6	772.9	690.6	1 458.8	30.8	169.9
344	Fabricated structural metal products	11.5	238.7	8.3	16.8	152.5	489.2	519.9	991.1	13.6	183.8
345	Screw machine products, bolts, etc.	9.2	205.0	7.1	15.8	142.5	473.9	443.9	901.0	18.2	147.9
346	Metal forgings and stampings	46.7	1 266.1	38.8	80.8	987.5	2 548.9	2 750.2	5 256.7	96.5	489.2
347	Metal services, n.e.c.	8.7	147.9	7.0	14.3	103.1	278.1	231.7	500.6	16.4	54.2
349	Miscellaneous fabricated metal products	15.7	317.1	11.2	21.6	195.1	659.7	494.6	1 168.2	27.4	247.7
35	**Machinery, except electrical**	113.4	2 865.6	76.4	151.6	1 773.6	5 132.9	4 081.5	9 337.0	278.5	1 740.0
351	Engines and turbines	9.0	266.1	5.4	9.9	149.0	561.7	717.5	1 278.5	19.9	160.9
352	Farm and garden machinery	2.5	60.1	1.9	3.5	40.8	155.5	228.8	367.1	4.6	60.8
353	Construction and related machinery	9.1	237.8	4.8	9.4	111.4	246.7	490.6	833.7	12.4	210.2
354	Metalworking machinery	42.2	1 111.6	30.6	63.4	745.8	1 933.2	894.7	2 811.8	100.8	620.5
355	Special industry machinery	5.7	146.4	3.5	6.8	79.4	270.4	191.6	459.2	8.5	126.5
356	General industrial machinery	13.6	331.5	9.3	17.4	206.3	666.1	461.4	1 140.2	35.7	217.2
357	Office and computing machines	3.0	64.6	1.2	2.7	26.3	96.7	100.6	226.1	3.8	64.4
358	Refrigeration and service machinery	8.0	172.1	5.3	9.9	103.5	329.6	451.2	791.3	13.0	150.8
359	Miscellaneous machinery, except electrical	20.2	475.4	14.3	28.6	311.2	872.9	545.1	1 429.1	79.9	128.[illegible]
36	**Electric and electronic equipment**	30.3	601.6	21.9	41.2	368.9	1 446.8	1 492.0	2 946.5	108.9	393.7
362	Electrical industrial apparatus	6.0	137.9	3.9	7.6	74.9	236.7	200.7	449.9	7.8	78.5
363	Household appliances	7.1	145.5	5.9	11.2	115.2	390.5	466.1	860.2	(D)	88.4
366	Communication equipment	3.0	56.7	1.5	3.0	20.3	100.0	187.2	280.2	13.1	80.7
369	Miscellaneous electrical equipment and supplies	6.7	127.0	5.1	8.9	83.4	451.4	282.0	713.7	(D)	72.7
37	**Transportation equipment**	223.3	7 284.9	179.6	381.3	5 599.6	19 825.0	35 962.6	55 454.5	791.5	2 943.9
371	Motor vehicles and equipment	211.0	6 984.5	171.3	365.2	5 416.2	18 857.5	35 334.5	53 953.7	774.3	2 585.9
372	Aircraft and parts	4.2	101.7	2.7	5.3	63.1	223.1	151.5	367.7	10.6	82.4
379	Miscellaneous transportation equipment	4.4	112.1	3.1	5.7	67.5	556.2	279.9	735.2	1.7	210.3

See footnotes at end of table.

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explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
883.9	**22 223.0**	**563.6**	**1 090.5**	**12 504.9**	**39 118.1**	**59 962.5**	**99 715.0**	**3 503.0**	**1**	**1**	**2**	**Mich.**
42.2	**849.9**	**30.9**	**61.6**	**579.6**	**2 974.4**	**4 944.6**	**7 909.9**	**194.0**	**2**	**2**	**5**	**20**
7.7	144.7	6.3	13.1	112.0	360.8	1 689.9	2 044.0	24.9	1	2	12	201
4.8	98.2	2.8	6.0	57.4	410.1	976.3	1 381.7	22.6	2	6	6	202
7.3	106.4	6.1	12.1	78.4	450.5	583.1	1 035.0	47.1	3	3	13	203
5.7	171.6	4.6	9.1	136.6	772.0	517.7	1 290.1	28.5	1	2	8	204
6.5	113.9	4.3	7.3	65.6	297.3	217.9	515.7	8.2	13	7	24	205
5.2	128.7	3.0	6.2	72.3	379.4	557.4	936.2	43.2	2	6	13	208
16.5	**377.5**	**13.5**	**25.5**	**286.7**	**744.3**	**775.8**	**1 521.8**	**35.4**	**3**	**2**	**3**	**23**
13.3	339.2	11.0	21.2	263.8	676.6	676.0	1 355.0	32.7	3	2	2	239
10.7	**148.7**	**8.7**	**15.7**	**106.8**	**291.2**	**380.8**	**678.7**	**99.4**	**3**	**4**	**15**	**24**
2.4	28.6	2.0	3.7	22.9	49.5	75.8	126.9	(D)	6	6	(X)	242
2.7	41.8	2.2	4.0	29.1	84.2	113.2	199.5	(D)	3	6	(X)	243
21.1	**462.5**	**15.2**	**29.2**	**288.2**	**1 107.7**	**752.9**	**1 871.1**	**91.1**	**2**	**3**	**5**	**25**
4.1	58.6	3.3	6.4	41.4	114.2	88.0	202.8	10.0	7	15	36	251
11.7	295.4	8.1	15.8	183.9	729.0	454.1	1 190.7	69.6	2	1	5	252
2.5	48.9	1.8	3.5	29.8	96.9	75.1	171.9	4.1	8	21	21	254
20.0	**465.8**	**14.9**	**31.3**	**330.4**	**992.3**	**1 572.7**	**2 567.4**	**150.6**	**2**	**2**	**6**	**26**
6.8	186.2	5.2	11.5	142.2	346.3	646.9	986.4	98.5	1	1	2	262
4.9	94.3	3.7	7.2	63.6	292.1	374.3	674.2	(D)	6	4	(X)	264
5.6	116.4	4.0	8.0	72.6	238.9	376.7	616.3	(D)	3	5	(X)	265
35.1	**646.9**	**19.8**	**36.5**	**331.5**	**1 357.6**	**869.5**	**2 227.7**	**64.5**	**2**	**2**	**17**	**27**
12.5	229.6	4.5	7.6	77.9	454.1	208.0	662.2	12.2	2	2	15	271
2.4	40.1	1.3	2.4	18.2	115.5	40.6	156.3	3.8	9	2	15	274
12.1	226.4	8.6	16.1	145.1	458.3	414.9	870.7	34.6	2	2	47	275
2.1	42.0	1.6	3.1	29.1	73.9	19.8	94.0	5.4	21	16	54	279
29.5	**763.0**	**16.5**	**31.6**	**383.9**	**2 202.0**	**2 538.3**	**4 800.0**	**271.8**	**2**	**2**	**5**	**28**
5.8	146.9	4.2	8.0	102.5	726.1	474.2	1 190.3	56.8	1	2	25	283
5.0	115.1	2.3	4.3	44.0	414.0	540.4	957.8	25.8	7	3	7	284
2.8	77.0	1.5	2.6	34.8	235.9	240.3	478.3	18.1	3	4	7	285
8.1	235.1	3.9	7.5	103.5	279.5	567.8	682.9	112.0	1	1	1	286
3.6	77.9	2.1	4.5	40.7	252.9	310.8	571.1	20.7	1	6	16	289
29.7	**476.0**	**22.6**	**42.6**	**305.9**	**1 024.1**	**1 131.8**	**2 163.3**	**65.6**	**4**	**5**	**14**	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	306
25.2	384.2	19.2	35.8	243.7	833.2	941.2	1 779.2	60.0	5	6	15	307
14.0	**309.8**	**9.9**	**19.5**	**206.8**	**690.8**	**667.9**	**1 365.3**	**60.8**	**4**	**3**	**29**	**32**
2.5	49.2	1.8	3.6	30.5	95.4	98.5	194.3	7.0	3	4	10	323
3.9	71.7	2.6	4.8	44.1	149.1	175.7	327.5	10.0	8	10	74	327
3.3	63.0	2.2	4.4	37.3	146.5	172.4	320.0	13.2	14	7	45	329
50.0	**1 280.4**	**38.4**	**73.0**	**923.8**	**2 042.7**	**3 444.0**	**5 546.4**	**195.7**	**1**	**1**	**2**	**33**
19.0	600.1	14.3	27.5	441.8	811.5	1 976.7	2 824.2	76.7	1	1	1	331
14.0	344.4	10.7	20.0	245.3	651.2	568.7	1 235.4	62.6	1	1	7	332
5.2	100.5	3.9	7.4	68.7	170.4	416.0	608.4	16.9	1	6	5	335
7.6	144.9	6.3	11.5	107.6	251.1	239.2	494.5	16.6	2	5	16	336
3.3	68.3	2.5	5.0	45.1	128.6	73.8	202.7	9.2	5	6	28	339
102.6	**2 234.9**	**79.7**	**153.1**	**1 581.2**	**4 423.5**	**4 580.0**	**9 074.3**	**273.1**	**2**	**2**	**6**	**34**
11.7	271.9	9.2	17.5	197.2	586.4	557.4	1 160.4	22.6	7	4	18	342
11.5	231.8	8.3	16.2	147.7	441.2	479.9	928.5	18.1	2	3	10	344
9.4	191.1	7.2	14.1	128.5	387.5	379.7	774.0	19.5	5	5	20	345
44.5	1 072.5	36.2	69.4	816.2	2 059.0	2 323.5	4 401.7	157.9	1	2	6	346
7.7	125.9	6.1	11.7	83.3	239.4	180.3	419.2	12.2	5	5	35	347
15.7	306.1	11.3	21.6	187.6	616.6	539.2	1 171.8	39.3	4	4	17	349
126.2	**3 066.3**	**84.7**	**165.6**	**1 872.9**	**5 463.0**	**4 609.7**	**10 485.3**	**347.4**	**2**	**3**	**13**	**35**
9.5	272.2	5.8	10.4	150.6	482.6	778.5	1 305.6	37.4	2	1	1	351
3.0	59.4	2.2	4.1	38.9	68.0	231.0	382.5	7.7	3	2	10	352
12.4	309.5	6.3	12.0	140.3	531.3	648.3	1 194.1	32.2	2	3	12	353
46.6	1 250.0	35.3	71.4	835.7	2 223.2	1 237.4	3 666.3	115.5	3	5	7	354
6.6	154.7	4.0	7.8	82.4	275.2	207.5	490.9	13.0	5	3	19	355
16.0	362.9	10.1	19.3	210.4	721.8	502.3	1 245.0	32.1	5	4	17	356
3.8	92.8	1.5	2.9	34.0	135.6	130.0	289.6	11.1	1	1	1	357
7.7	158.7	5.1	9.7	93.2	281.3	449.6	732.8	20.7	2	5	9	358
18.7	406.1	14.3	28.0	287.2	743.9	425.1	1 178.4	77.7	6	10	42	359
27.7	**526.9**	**19.2**	**37.2**	**315.8**	**1 111.5**	**1 177.6**	**2 294.7**	**100.8**	**5**	**2**	**13**	**36**
7.3	165.3	4.7	9.4	91.8	258.4	213.4	478.4	14.1	6	5	15	362
5.9	113.6	4.8	9.4	85.4	301.5	373.5	668.4	(D)	1	1	(X)	363
3.2	56.5	1.6	3.4	22.0	88.6	180.0	268.9	8.3	3	5	51	366
4.8	86.2	3.5	6.6	55.0	208.1	202.0	413.0	(D)	20	3	(X)	369
215.7	**6 210.8**	**170.7**	**331.9**	**4 686.0**	**13 442.6**	**30 337.3**	**43 771.8**	**1 492.2**	**1**	**1**	**1**	**37**
203.4	5 911.1	161.9	315.0	4 506.0	12 701.2	29 731.9	42 569.9	1 464.6	1	1	1	371
4.2	102.8	2.8	5.5	61.0	201.9	186.1	398.0	12.4	2	2	4	372
4.0	102.0	3.1	5.4	63.0	328.0	258.6	479.2	2.9	2	1	15	379

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries Includes industry groups with 2,500 employees or more For meaning of abbreviations and symbols, see introductory text For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Mich.	**Michigan**—Con										
38	**Instruments and related products**	**12.3**	**265.6**	**7.7**	**14.8**	**140.2**	**594.3**	**314.8**	**908.9**	**21.1**	**175.7**
381	Engineering and scientific instruments	4.3	99.7	3.0	5.8	65.8	187.5	72.5	257.0	5.1	49.4
382	Measuring and controlling devices	3.6	81.1	1.9	3.6	34.4	165.6	89.4	254.7	2.2	61.7
39	**Miscellaneous manufacturing industries**	**7.6**	**130.1**	**5.5**	**10.0**	**79.7**	**271.0**	**230.1**	**506.2**	**10.8**	**99.1**
394	Toys and sporting goods	2.8	49.0	2.0	3.5	30.0	99.5	92.3	196.7	7.6	52.4
399	Miscellaneous manufactures	3.4	58.2	2.5	4.5	34.6	126.7	94.9	221.0	2.6	27.9
--	Auxiliaries[2]	103.5	4 005.6	-	-	-	-	-	-	-	-
Minn.	**Minnesota**	**358.5**	**8 016.8**	**202.8**	**387.6**	**3 617.9**	**16 563.9**	**20 924.1**	**37 433.5**	**1 069.4**	**5 004.8**
20	**Food and kindred products**	**40.4**	**737.9**	**29.4**	**56.7**	**477.3**	**2 655.0**	**7 093.6**	**9 684.6**	**154.1**	**703.2**
201	Meat products	12.2	215.6	9.6	18.7	145.4	655.0	1 912.0	2 561.2	23.0	107.4
202	Dairy products	6.3	122.7	4.7	8.8	87.4	572.9	2 326.7	2 887.9	38.2	139.4
203	Preserved fruits and vegetables	5.4	77.2	4.7	8.2	55.2	270.2	364.6	632.9	16.9	121.7
204	Grain mill products	3.3	69.2	2.3	4.7	43.4	295.3	720.3	1 010.3	14.6	56.7
205	Bakery products	3.1	55.1	1.8	3.3	30.9	157.6	100.1	257.6	11.8	8.9
206	Sugar and confectionery products	2.8	56.0	2.4	5.1	44.6	166.7	318.0	485.8	5.7	66.7
208	Beverages	4.3	87.4	2.0	4.0	38.6	330.6	470.4	786.7	34.9	89.7
23	**Apparel and other textile products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
24	**Lumber and wood products**	**11.7**	**215.6**	**9.3**	**17.7**	**152.1**	**523.1**	**610.9**	**1 124.3**	**22.3**	**149.6**
243	Millwork, plywood, and structural members	6.4	135.0	5.2	9.7	98.4	341.6	380.2	720.0	11.6	86.9
25	**Furniture and fixtures**	**3.8**	**71.0**	**2.8**	**5.2**	**43.4**	**136.4**	**100.2**	**234.1**	**5.8**	**33.6**
26	**Paper and allied products**	**13.7**	**334.2**	**10.8**	**21.8**	**239.1**	**779.0**	**986.4**	**1 776.5**	**81.2**	**183.1**
262	Paper mills, except building paper	4.6	131.9	3.8	7.3	102.1	320.9	361.8	685.4	45.3	54.0
264	Miscellaneous converted paper products	4.7	100.0	3.8	7.9	65.7	275.3	279.0	556.6	25.3	70.4
265	Paperboard containers and boxes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
27	**Printing and publishing**	**35.5**	**656.6**	**21.9**	**37.2**	**365.4**	**1 324.4**	**757.5**	**2 079.7**	**83.7**	**178.6**
271	Newspapers	8.3	147.2	3.3	5.0	54.6	281.3	99.5	380.8	8.0	11.7
273	Books	4.2	87.3	2.4	4.0	42.6	181.2	88.2	268.1	(D)	42.7
275	Commercial printing	16.9	309.7	12.4	21.6	204.6	610.9	427.9	1 039.1	37.1	88.3
28	**Chemicals and allied products**	**6.9**	**148.5**	**3.9**	**7.6**	**73.0**	**572.7**	**594.9**	**1 162.3**	**43.1**	**135.9**
284	Soaps, cleaners, and toilet goods	3.0	60.5	1.5	2.8	27.4	263.5	204.6	463.0	8.5	36.3
30	**Rubber and miscellaneous plastics products**	**13.4**	**238.3**	**9.9**	**19.3**	**150.1**	**548.1**	**494.4**	**1 041.7**	**37.3**	**136.7**
307	Miscellaneous plastics products	11.9	210.7	9.0	17.5	134.0	498.1	458.2	956.3	35.7	119.9
32	**Stone, clay, and glass products**	**9.9**	**212.6**	**7.3**	**14.4**	**149.5**	**753.7**	**832.3**	**1 603.0**	**31.0**	**204.8**
327	Concrete, gypsum, and plaster products	3.2	61.2	2.3	4.3	38.5	136.5	137.6	278.7	2.4	22.1
329	Miscellaneous nonmetallic mineral products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
33	**Primary metal industries**	**6.2**	**133.8**	**4.9**	**8.9**	**94.4**	**241.3**	**226.8**	**462.2**	**13.6**	**75.6**
34	**Fabricated metal products**	**30.9**	**717.5**	**20.3**	**39.7**	**409.4**	**1 428.7**	**1 175.5**	**2 586.8**	**72.5**	**500.8**
342	Cutlery, hand tools, and hardware	3.3	59.8	2.3	4.3	38.8	122.1	96.6	219.7	5.9	53.3
344	Fabricated structural metal products	5.1	107.1	3.6	7.1	68.1	216.5	228.2	462.7	10.0	82.6
346	Metal forgings and stampings	3.7	72.9	3.0	5.7	52.5	126.0	94.1	218.8	5.2	23.1
348	Ordnance and accessories, n.e.c.	9.9	284.8	4.9	9.5	122.1	529.9	388.7	885.2	(D)	220.7
349	Miscellaneous fabricated metal products	4.0	78.2	2.5	4.6	43.5	152.8	118.9	272.5	7.3	55.1
35	**Machinery, except electrical**	**69.5**	**1 639.7**	**36.5**	**73.1**	**712.8**	**3 991.2**	**3 050.2**	**7 075.7**	**240.5**	**1 391.2**
352	Farm and garden machinery	3.3	57.5	2.1	4.0	32.4	136.5	180.6	315.9	(D)	72.4
353	Construction and related machinery	5.5	116.0	3.3	6.1	61.5	172.5	240.8	431.8	5.9	172.3
354	Metalworking machinery	4.0	78.2	2.8	5.3	53.7	170.1	101.6	261.9	2.4	74.5
356	General industrial machinery	5.9	132.9	3.4	6.7	70.4	319.5	222.4	527.7	21.0	131.1
357	Office and computing machines	33.8	881.5	13.5	28.2	291.1	2 541.9	1 755.4	4 279.4	165.6	738.8
358	Refrigeration and service machinery	6.1	140.8	3.2	6.2	63.1	272.8	297.0	578.8	9.0	123.8
359	Miscellaneous machinery, except electrical	8.2	171.6	6.5	13.6	108.9	258.4	143.1	422.6	32.2	37.6
36	**Electric and electronic equipment**	**29.7**	**645.6**	**17.9**	**33.7**	**295.8**	**1 152.4**	**913.1**	**2 098.7**	**85.2**	**434.4**
362	Electrical industrial apparatus	4.7	104.4	2.6	4.9	47.6	167.3	185.1	359.1	11.8	89.1
363	Household appliances	3.2	71.1	2.1	4.0	42.4	123.6	202.1	332.1	7.8	52.4
366	Communication equipment	7.2	178.7	3.2	5.9	56.6	268.9	138.9	424.1	26.3	93.7
367	Electronic components and accessories	7.6	133.3	5.5	10.5	77.8	241.0	123.7	360.8	27.8	69.4
369	Miscellaneous electrical equipment and supplies	3.7	97.2	2.0	3.5	30.7	230.7	155.7	397.2	(D)	76.4
37	**Transportation equipment**	**6.3**	**138.2**	**5.0**	**9.7**	**100.9**	**498.9**	**1 065.3**	**1 542.4**	**23.7**	**121.8**
371	Motor vehicles and equipment	3.5	89.8	2.9	5.8	69.8	399.1	927.3	1 301.4	16.3	75.7
38	**Instruments and related products**	**17.7**	**390.4**	**10.4**	**19.2**	**185.5**	**1 005.9**	**434.5**	**1 429.3**	**73.1**	**281.5**
382	Measuring and controlling devices	9.5	234.1	5.7	10.4	115.9	508.2	174.9	680.2	41.9	140.4
384	Medical instruments and supplies	4.6	84.0	2.6	5.0	34.6	229.4	101.7	327.0	23.2	67.2
39	**Miscellaneous manufacturing industries**	**5.7**	**91.9**	**4.1**	**7.4**	**54.4**	**206.8**	**185.4**	**377.4**	**10.9**	**65.8**
394	Toys and sporting goods	2.8	44.9	1.8	3.2	24.3	111.7	114.7	212.7	9.5	42.1
--	**Auxiliaries**[2]	**46.4**	**1 479.7**	-	-	-	-	-	-	-	-

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982: All employees: Number (1,000)	1982: All employees: Payroll (million dollars)	1982: Production workers: Number (1,000)	1982: Production workers: Hours (millions)	1982: Production workers: Wages (million dollars)	1982: Value added by manufacture (million dollars)	1982: Cost of materials (million dollars)	1982: Value of shipments (million dollars)	1982: New capital expenditures (million dollars)	Standard error of estimate (percent) for column[1]—: A	Standard error of estimate (percent) for column[1]—: F	Standard error of estimate (percent) for column[1]—: I	State and SIC code
K	L	M	N	O	P	Q	R	S	A	F	I	
												Mich.
13.2	**268.4**	**8.3**	**16.4**	**151.1**	**570.1**	**310.3**	**892.6**	**27.0**	**5**	**3**	**3**	**38**
4.3	92.4	3.0	5.9	63.7	173.6	69.6	249.4	9.4	7	5	9	381
3.8	76.4	1.9	4.0	35.0	149.4	91.5	240.0	4.7	5	6	11	382
8.3	**134.1**	**6.0**	**11.0**	**81.8**	**269.0**	**240.6**	**508.6**	**10.3**	**1**	**3**	**7**	**39**
3.1	52.1	2.2	4.1	31.8	105.3	93.7	197.2	4.9	1	3	2	394
3.6	56.0	2.6	4.6	32.1	117.3	97.3	214.1	3.6	2	7	28	399
111.4	3 882.3	-	-	-	-	-	-	-	1	(X)	(X)	--
350.0	**7 422.9**	**200.6**	**376.2**	**3 428.4**	**15 366.9**	**19 853.5**	**35 321.3**	**1 193.0**	**1**	**1**	**4**	**Minn.**
41.0	**714.2**	**30.5**	**56.7**	**476.2**	**2 391.9**	**6 883.5**	**9 307.1**	**255.4**	**2**	**3**	**11**	**20**
10.6	185.7	8.9	16.5	145.8	558.8	1 822.3	2 377.1	85.8	4	4	5	201
6.3	113.7	4.7	9.1	79.2	497.0	2 284.3	2 782.5	56.8	2	6	27	202
6.1	81.3	5.2	9.2	58.1	275.3	365.2	640.7	18.3	5	19	20	203
3.4	55.7	2.4	4.9	43.0	271.0	707.6	982.1	26.1	3	6	23	204
3.0	52.2	1.7	3.2	28.1	116.8	83.6	200.4	7.9	4	13	84	205
3.5	51.8	3.2	5.3	41.9	142.0	223.7	370.7	8.1	2	4	1	206
4.9	105.4	2.3	4.4	45.4	344.5	528.0	876.7	32.0	4	9	17	208
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**23**
10.2	**180.6**	**7.9**	**14.5**	**127.2**	**382.0**	**494.6**	**882.1**	**20.9**	**2**	**3**	**13**	**24**
5.3	105.7	4.1	7.8	76.9	254.8	255.5	513.7	7.6	2	2	3	243
3.8	**64.7**	**2.8**	**5.3**	**40.8**	**131.2**	**93.7**	**227.2**	**4.9**	**4**	**5**	**18**	**25**
13.3	**305.0**	**10.4**	**21.0**	**218.6**	**769.8**	**930.6**	**1 700.2**	**94.5**	**2**	**1**	**5**	**26**
4.4	121.7	3.6	7.3	93.6	274.1	367.3	641.7	64.3	1	1	1	262
4.9	97.9	3.9	7.9	68.2	330.3	270.7	593.2	22.7	3	2	15	264
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	265
34.8	**621.7**	**21.4**	**36.6**	**342.5**	**1 222.5**	**721.5**	**1 938.7**	**92.4**	**2**	**3**	**17**	**27**
8.3	140.1	3.4	5.1	54.2	264.9	99.3	364.2	18.7	2	1	3	271
4.0	81.9	2.4	4.1	40.2	167.4	79.9	244.4	(D)	1	2	(X)	273
16.7	294.3	12.1	21.5	192.6	555.9	405.4	960.9	37.3	2	5	32	275
6.5	**143.5**	**3.6**	**7.2**	**68.5**	**517.4**	**542.6**	**1 077.3**	**46.9**	**2**	**5**	**20**	**28**
2.9	59.0	1.4	2.8	25.3	281.1	190.9	482.6	8.3	2	9	9	284
12.6	**212.5**	**9.2**	**17.7**	**134.4**	**473.0**	**425.8**	**900.5**	**43.2**	**2**	**2**	**19**	**30**
11.2	186.0	8.4	16.0	118.7	424.8	392.1	818.1	38.4	2	2	20	307
9.8	**204.7**	**7.1**	**14.1**	**143.7**	**609.0**	**684.4**	**1 290.1**	**26.4**	**1**	**1**	**4**	**32**
3.2	62.2	2.3	4.4	38.9	130.5	140.8	276.4	7.2	1	4	34	327
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	329
6.2	**131.6**	**4.9**	**9.1**	**92.3**	**226.2**	**228.4**	**457.2**	**25.2**	**4**	**7**	**16**	**33**
30.9	**685.1**	**20.5**	**38.5**	**389.2**	**1 292.7**	**1 084.5**	**2 388.8**	**70.4**	**2**	**2**	**14**	**34**
3.0	55.0	2.0	4.0	35.5	111.0	79.5	191.8	4.1	3	3	14	342
5.5	111.7	4.0	7.8	72.3	206.1	232.4	448.1	8.9	4	5	51	344
3.7	67.6	2.9	5.2	47.5	113.5	83.9	199.3	6.5	1	2	28	346
9.6	273.5	5.1	9.0	119.3	454.6	342.2	791.9	(D)	1	1	(X)	348
3.9	72.4	2.4	4.4	38.1	141.9	106.6	250.2	10.9	3	4	25	349
71.0	**1 557.4**	**37.1**	**71.5**	**689.1**	**3 567.4**	**2 767.3**	**6 305.9**	**287.6**	**3**	**2**	**5**	**35**
3.5	57.6	2.3	4.2	33.1	145.8	167.1	321.4	(D)	3	9	(X)	352
6.6	136.2	4.0	8.0	76.1	259.7	314.8	589.5	12.6	4	9	5	353
4.2	85.8	2.9	5.8	55.9	160.2	79.7	239.4	10.3	5	9	30	354
6.2	133.4	3.8	7.2	72.8	273.1	195.3	469.7	18.1	4	8	22	356
33.6	794.1	13.3	25.2	248.6	2 087.7	1 512.8	3 622.4	199.4	1	1	1	357
6.6	142.9	3.5	6.7	67.2	249.9	281.1	533.8	11.2	2	2	2	358
7.1	137.9	5.6	11.1	97.5	256.0	113.5	372.4	23.2	17	23	30	359
30.5	**617.8**	**18.3**	**34.4**	**290.6**	**1 119.5**	**913.9**	**2 015.9**	**98.0**	**1**	**2**	**14**	**36**
5.2	110.0	3.1	5.4	55.7	228.0	185.2	404.1	16.5	1	1	1	362
3.3	69.5	2.2	4.1	40.0	137.0	186.7	319.9	6.9	1	1	1	363
7.6	173.8	3.6	6.9	63.6	246.7	129.1	371.6	9.0	1	1	2	366
7.4	115.9	5.3	10.3	67.8	204.1	115.5	323.1	26.5	4	5	41	367
3.9	91.3	1.9	3.2	27.0	191.4	198.1	385.2	(D)	3	3	(X)	369
6.2	**130.0**	**4.8**	**8.8**	**91.4**	**496.1**	**783.6**	**1 282.1**	**16.2**	**6**	**4**	**17**	**37**
3.6	80.7	2.9	5.2	62.2	407.6	674.0	1 084.5	12.4	10	5	4	371
17.8	**372.9**	**10.6**	**19.9**	**173.6**	**965.7**	**522.9**	**1 488.7**	**64.2**	**6**	**4**	**21**	**38**
9.6	219.1	5.4	10.4	97.6	504.0	175.4	688.1	41.2	1	1	1	382
3.6	61.8	2.3	4.4	29.9	163.8	79.9	241.1	11.6	21	17	66	384
6.0	**89.3**	**4.6**	**8.0**	**55.4**	**231.6**	**167.3**	**399.5**	**17.3**	**3**	**11**	**20**	**39**
3.1	43.9	2.3	3.8	25.8	137.9	103.5	242.3	14.5	5	19	22	394
42.2	**1 282.3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**--**

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Miss.	**Mississippi**	**203.6**	**3 080.7**	**161.1**	**310.2**	**2 121.4**	**8 215.2**	**12 165.3**	**20 256.0**	**1 191.8**	**2 444.4**
20	**Food and kindred products**	**19.9**	**270.1**	**14.9**	**29.7**	**163.0**	**700.9**	**2 202.5**	**2 903.3**	**30.1**	**203.0**
201	Meat products	9.4	113.4	8.2	16.6	87.5	195.1	336.7	1 133.2	15.6	32.4
209	Miscellaneous foods and kindred products	2.8	31.4	2.3	4.2	17.0	134.3	209.3	343.5	6.3	33.0
22	**Textile mill products**	**6.1**	**78.9**	**5.3**	**10.4**	**59.9**	**186.6**	**193.9**	**378.7**	**42.0**	**69.2**
225	Knitting mills	3.4	34.8	3.1	5.6	28.0	99.4	64.4	157.9	(D)	32.5
23	**Apparel and other textile products**	**38.1**	**334.1**	**34.2**	**61.4**	**277.1**	**576.9**	**533.0**	**1 107.6**	**15.8**	**170.0**
232	Men's and boys' furnishings	19.9	171.6	17.9	31.7	144.0	277.4	275.9	546.8	5.7	94.0
233	Women's and misses' outerwear	6.1	59.0	5.7	10.5	48.9	95.1	56.5	152.3	4.8	14.6
234	Women's and children's undergarments	4.8	36.7	4.4	7.7	32.2	51.3	39.8	92.1	1.8	17.4
24	**Lumber and wood products**	**21.1**	**276.1**	**18.1**	**34.5**	**212.5**	**593.2**	**1 036.8**	**1 620.9**	**(D)**	**191.2**
241	Logging camps and logging contractors	2.8	23.6	2.6	4.0	21.3	56.2	167.3	221.3	1.4	20.4
242	Sawmills and planing mills	8.9	113.7	7.7	15.3	92.6	239.2	390.2	625.2	(D)	66.0
243	Millwork, plywood, and structural members	3.1	43.6	2.7	5.2	33.0	95.8	170.8	265.5	(D)	26.9
249	Miscellaneous wood products	4.1	68.3	3.3	6.6	47.8	148.0	214.9	360.5	11.4	67.2
25	**Furniture and fixtures**	**14.6**	**187.0**	**12.3**	**23.6**	**137.5**	**411.8**	**487.7**	**892.1**	**(D)**	**115.2**
251	Household furniture	12.9	165.7	10.9	20.9	123.0	363.7	446.9	804.3	10.5	97.6
26	**Paper and allied products**	**6.6**	**168.9**	**5.1**	**10.8**	**126.2**	**404.3**	**633.7**	**1 026.2**	**640.4**	**101.9**
27	**Printing and publishing**	**6.6**	**99.4**	**3.6**	**7.2**	**52.7**	**225.6**	**137.3**	**361.2**	**34.5**	**30.5**
271	Newspapers	3.3	41.4	1.2	1.9	12.3	93.3	39.2	132.6	23.7	4.8
275	Commercial printing	2.9	50.7	2.1	4.4	35.1	103.0	81.3	182.3	10.8	19.0
28	**Chemicals and allied products**	**6.1**	**131.2**	**4.2**	**8.7**	**60.6**	**558.6**	**727.7**	**1 263.7**	**31.1**	**199.0**
30	**Rubber and miscellaneous plastics products**	**5.2**	**87.7**	**4.2**	**8.2**	**62.3**	**211.8**	**317.8**	**538.6**	**(D)**	**67.0**
307	Miscellaneous plastics products	3.3	45.4	2.8	5.4	32.6	126.7	220.4	347.1	(D)	37.4
32	**Stone, clay, and glass products**	**5.5**	**88.1**	**4.6**	**9.3**	**68.6**	**235.4**	**243.5**	**479.3**	**6.8**	**65.5**
33	**Primary metal industries**	**3.8**	**64.4**	**3.0**	**5.9**	**45.1**	**151.9**	**373.4**	**522.3**	**8.6**	**76.0**
34	**Fabricated metal products**	**11.4**	**197.3**	**9.0**	**17.8**	**135.6**	**461.4**	**409.0**	**848.3**	**29.5**	**150.7**
344	Fabricated structural metal products	5.4	94.7	4.0	8.1	60.6	234.7	177.6	389.6	12.1	79.1
35	**Machinery, except electrical**	**12.4**	**216.9**	**9.1**	**17.2**	**139.5**	**553.4**	**522.8**	**1 052.4**	**24.2**	**232.6**
353	Construction and related machinery	2.5	48.6	1.3	2.4	22.3	86.5	89.3	180.8	6.5	45.8
36	**Electric and electronic equipment**	**18.8**	**294.0**	**15.7**	**30.0**	**219.0**	**885.6**	**761.5**	**1 631.3**	**44.4**	**263.2**
361	Electric distributing equipment	3.3	50.5	2.7	4.9	34.4	111.1	163.0	271.2	5.7	53.7
362	Electrical industrial apparatus	2.9	43.7	2.4	4.2	32.8	139.8	99.7	234.5	14.0	42.5
363	Household appliances	2.7	32.0	2.2	4.0	21.6	135.7	106.2	246.8	7.1	35.0
369	Miscellaneous electrical equipment and supplies	3.5	57.3	3.2	6.4	50.8	153.4	119.5	273.6	5.5	16.6
37	**Transportation equipment**	**17.1**	**404.2**	**11.3**	**22.6**	**241.8**	**1 019.3**	**846.8**	**1 845.1**	**15.8**	**146.0**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
373	Ship and boat building and repairing	13.0	313.1	7.9	15.5	169.1	551.6	528.4	1 081.7	12.6	70.0
39	**Miscellaneous manufacturing industries**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
Mo.	**Missouri**	**393.7**	**8 317.5**	**248.6**	**475.2**	**4 379.9**	**19 250.3**	**26 189.2**	**45 045.9**	**1 266.1**	**8 637.1**
20	**Food and kindred products**	**37.4**	**770.6**	**25.9**	**50.0**	**486.0**	**2 675.5**	**5 961.8**	**8 631.3**	**165.3**	**530.2**
201	Meat products	7.2	103.0	6.2	11.6	78.9	316.4	1 224.6	1 533.3	10.2	70.6
202	Dairy products	5.7	110.3	4.0	7.9	73.1	431.3	1 718.6	2 150.4	12.9	115.3
203	Preserved fruits and vegetables	3.0	46.6	2.6	4.9	35.4	205.9	363.0	568.6	6.7	35.6
204	Grain mill products	4.3	86.5	3.1	6.0	58.4	454.9	884.1	1 339.1	18.5	75.6
205	Bakery products	5.3	104.5	2.8	4.7	50.1	222.4	162.4	384.6	6.8	11.5
208	Beverages	7.5	232.7	4.5	9.0	140.9	703.4	824.2	1 532.7	88.9	91.5
209	Miscellaneous foods and kindred products	2.7	53.9	1.4	2.9	27.3	250.6	366.9	620.8	18.9	48.3
23	**Apparel and other textile products**	**23.0**	**231.4**	**19.1**	**34.0**	**175.8**	**472.6**	**374.4**	**836.5**	**11.4**	**136.1**
232	Men's and boys' furnishings	9.9	92.4	8.9	15.8	75.9	174.4	125.0	295.9	7.8	40.8
233	Women's and misses' outerwear	3.9	37.7	2.4	4.1	23.6	97.0	59.3	152.7	.6	19.6
235	Hats, caps, and millinery	2.7	25.9	2.5	4.8	22.3	43.3	36.2	79.0	(D)	24.3
239	Miscellaneous fabricated textile products	2.8	34.9	2.2	3.9	23.3	78.2	116.2	192.7	1.6	33.7
24	**Lumber and wood products**	**8.4**	**93.1**	**7.1**	**12.8**	**69.2**	**179.2**	**238.8**	**414.5**	**8.9**	**65.3**
242	Sawmills and planing mills	2.7	27.0	2.4	4.5	22.6	49.1	78.7	126.1	2.2	24.6
25	**Furniture and fixtures**	**7.6**	**122.9**	**5.6**	**10.8**	**82.2**	**276.6**	**245.3**	**523.3**	**7.5**	**81.6**
251	Household furniture	4.8	69.3	3.8	7.3	52.5	171.8	163.7	336.9	6.1	50.0
26	**Paper and allied products**	**12.3**	**246.1**	**9.6**	**18.7**	**172.2**	**705.1**	**873.5**	**1 571.0**	**28.2**	**202.5**
264	Miscellaneous converted paper products	6.4	130.1	5.2	9.9	92.6	418.8	494.1	910.7	20.1	116.9
265	Paperboard containers and boxes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
201.7	**2 880.8**	**158.2**	**299.2**	**1 977.6**	**7 824.9**	**11 576.8**	**19 488.0**	**1 154.3**	**1**	**1**	**3**	**Miss.**
19.4	**258.1**	**14.4**	**29.3**	**162.9**	**766.2**	**2 081.8**	**2 848.0**	**55.7**	**1**	**3**	**7**	**20**
9.2	108.1	7.9	16.2	84.0	254.6	859.5	1 122.8	14.6	1	4	6	201
2.6	29.2	2.2	4.0	20.5	136.7	204.8	341.3	6.7	6	1	7	209
6.3	**75.1**	**5.5**	**10.4**	**59.3**	**152.5**	**195.4**	**348.5**	**39.1**	**1**	**1**	**2**	**22**
3.4	34.7	3.1	5.7	29.4	81.6	66.5	150.2	(D)	1	2	(X)	225
37.2	**311.5**	**33.3**	**58.0**	**251.7**	**581.5**	**500.4**	**1 100.7**	**12.8**	**1**	**3**	**19**	**23**
19.8	165.3	17.7	29.9	134.0	296.8	259.1	571.0	6.6	1	5	2	232
5.8	50.1	5.4	9.5	41.5	99.2	54.5	154.8	1.9	4	4	59	233
4.5	32.4	4.0	7.6	28.1	53.3	34.7	87.7	.8	3	2	51	234
19.3	**245.1**	**16.4**	**31.0**	**187.8**	**495.0**	**874.8**	**1 374.4**	**(D)**	**3**	**6**	**(X)**	**24**
2.7	29.2	2.4	4.1	24.3	57.9	149.2	208.9	7.0	2	14	33	241
7.5	90.2	6.6	12.8	74.7	180.2	305.4	483.7	(D)	5	14	(X)	242
2.9	40.1	2.4	4.9	30.2	63.8	158.8	225.5	(D)	1	2	(X)	243
4.1	62.2	3.2	6.0	41.7	145.3	191.4	338.8	15.3	3	4	38	249
13.6	**163.8**	**11.3**	**21.1**	**117.5**	**369.9**	**421.5**	**798.3**	**(D)**	**3**	**2**	**(X)**	**25**
11.9	143.6	9.8	18.5	103.9	322.1	379.5	708.1	10.4	3	2	18	251
7.1	**100.8**	**5.5**	**10.8**	**119.6**	**345.6**	**552.9**	**893.5**	**193.7**	**7**	**4**	**2**	**26**
6.1	**84.7**	**3.4**	**6.2**	**43.4**	**197.0**	**112.3**	**307.7**	**18.6**	**5**	**4**	**50**	**27**
2.9	36.4	1.1	1.8	11.1	80.3	32.3	112.6	5.3	9	9	72	271
2.7	41.6	1.9	3.6	27.6	87.7	67.4	153.2	12.9	1	1	11	275
6.4	**129.1**	**4.3**	**9.0**	**77.0**	**550.5**	**681.9**	**1 231.3**	**51.7**	**2**	**3**	**12**	**28**
4.9	**79.8**	**4.0**	**7.6**	**58.9**	**194.8**	**277.8**	**467.4**	**(D)**	**2**	**2**	**(X)**	**30**
3.0	39.8	2.5	4.7	28.7	113.4	187.0	298.8	(D)	3	3	(X)	307
5.7	**90.0**	**4.4**	**8.9**	**65.0**	**221.4**	**241.0**	**465.0**	**14.6**	**5**	**4**	**11**	**32**
3.6	**54.3**	**2.8**	**5.5**	**38.4**	**152.7**	**292.7**	**452.0**	**15.9**	**4**	**9**	**10**	**33**
10.9	**176.7**	**8.1**	**15.6**	**117.9**	**432.0**	**432.4**	**874.9**	**23.8**	**4**	**7**	**31**	**34**
5.8	98.0	4.3	8.3	65.6	242.7	237.5	491.3	12.2	5	8	33	344
13.2	**214.2**	**9.3**	**17.7**	**133.5**	**517.9**	**518.0**	**1 049.5**	**38.9**	**1**	**2**	**27**	**35**
3.3	57.5	1.8	3.2	27.8	116.0	111.6	236.4	11.8	1	1	1	353
17.5	**242.8**	**14.0**	**26.5**	**174.2**	**665.1**	**687.1**	**1 364.0**	**30.8**	**1**	**2**	**12**	**36**
3.1	44.8	2.5	4.5	29.3	104.2	138.6	244.3	6.5	1	1	3	361
2.6	37.5	2.0	3.8	28.3	106.2	87.3	194.0	6.5	1	1	29	362
2.9	31.3	2.3	4.6	22.4	106.3	137.7	253.4	3.6	2	12	41	363
2.7	36.4	2.4	4.4	30.8	105.7	86.4	197.9	3.2	1	1	1	369
20.3	**433.7**	**14.6**	**28.5**	**280.7**	**958.0**	**879.9**	**1 842.0**	**31.0**	**1**	**1**	**2**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
16.4	359.4	11.4	22.4	223.8	620.6	655.5	1 276.3	23.7	1	1	2	373
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**39**
405.9	**8 013.2**	**256.4**	**477.2**	**4 198.9**	**18 333.8**	**24 160.9**	**41 459.4**	**1 339.8**	**1**	**1**	**2**	**Mo.**
38.8	**755.9**	**27.0**	**52.6**	**488.4**	**2 501.2**	**6 046.6**	**8 549.4**	**117.1**	**2**	**2**	**7**	**20**
8.4	127.2	7.2	13.8	101.9	315.2	1 583.3	1 903.8	9.9	8	11	14	201
5.8	104.3	4.1	8.0	72.4	385.7	1 498.9	1 886.7	16.1	1	4	19	202
3.0	43.6	2.5	4.9	32.9	195.1	343.1	538.1	8.5	1	2	8	203
4.2	78.0	2.9	5.8	49.7	395.0	835.9	1 230.0	23.7	2	2	8	204
5.4	101.6	2.8	5.3	50.6	219.1	161.1	379.9	8.0	2	4	6	205
7.5	215.8	4.7	9.2	133.7	658.6	800.5	1 457.7	30.2	1	3	12	208
2.8	51.5	1.5	2.8	21.8	239.1	339.4	575.9	14.0	6	2	1	209
24.0	**232.9**	**20.9**	**35.7**	**179.1**	**452.0**	**384.6**	**836.8**	**11.8**	**3**	**5**	**22**	**23**
10.2	88.6	9.2	16.0	73.3	175.8	130.4	305.0	3.7	1	4	29	232
4.0	43.3	3.3	5.5	30.0	76.9	55.5	134.0	1.1	16	19	6	233
2.7	23.0	2.5	3.9	18.7	43.1	30.6	71.6	(D)	3	8	(X)	235
3.0	34.8	2.4	4.2	23.3	74.1	121.2	196.9	2.9	9	5	63	239
8.1	**89.5**	**6.8**	**11.8**	**67.0**	**153.1**	**223.9**	**377.7**	**12.6**	**3**	**4**	**18**	**24**
2.6	24.8	2.4	4.1	20.9	42.4	62.4	104.9	3.2	5	9	58	242
7.2	**108.1**	**5.2**	**9.5**	**66.8**	**248.9**	**214.3**	**467.2**	**8.6**	**2**	**2**	**3**	**25**
4.1	54.7	3.1	5.5	37.1	134.4	122.8	259.6	5.7	2	2	3	251
12.3	**230.3**	**9.5**	**18.7**	**159.0**	**680.3**	**869.1**	**1 551.2**	**34.2**	**1**	**1**	**10**	**26**
6.4	121.5	5.1	9.9	86.0	406.5	498.2	904.9	25.9	1	1	5	264
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	265

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983 All employees Number (1,000)	All employees Payroll (million dollars)	Production workers Number (1,000)	Production workers Hours (millions)	Production workers Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Mo.	**Missouri**—Con.										
27	**Printing and publishing**	**34.4**	**657.4**	**17.6**	**33.4**	**305.2**	**1 441.1**	**757.3**	**2 192.0**	**50.7**	**182.9**
271	Newspapers	8.4	138.8	3.7	6.5	58.1	330.4	123.4	453.7	4.7	13.2
273	Books	3.1	50.9	1.6	2.7	25.1	129.3	70.6	202.3	6.5	29.4
275	Commercial printing	10.0	186.6	7.6	14.1	127.9	354.8	273.2	623.8	10.3	54.0
277	Greeting card publishing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
278	Blankbooks and bookbinding	2.5	39.8	1.8	3.6	24.7	82.8	35.2	117.6	5.3	13.4
28	**Chemicals and allied products**	**21.1**	**530.6**	**10.9**	**21.8**	**232.3**	**2 355.0**	**1 856.0**	**4 191.9**	**98.1**	**623.7**
283	Drugs	5.3	147.9	2.4	4.9	47.2	764.3	290.1	1 035.1	31.0	166.3
284	Soaps, cleaners, and toilet goods	5.8	131.9	2.9	5.8	56.1	550.2	550.7	1 099.2	26.3	101.2
30	**Rubber and miscellaneous plastics products**	**11.9**	**196.6**	**9.1**	**17.7**	**130.2**	**552.6**	**483.9**	**1 043.2**	**24.5**	**130.[illegible]**
307	Miscellaneous plastics products	9.0	142.5	7.0	13.6	91.6	428.0	363.6	795.5	20.1	[illegible].5
31	**Leather and leather products**	**15.8**	**163.0**	**13.9**	**23.5**	**134.2**	**381.0**	**350.4**	**726.7**	**7.3**	**77.3**
314	Footwear, except rubber	13.0	132.1	11.7	19.5	109.7	334.8	260.6	591.7	3.4	50.2
32	**Stone, clay, and glass products**	**9.8**	**200.9**	**7.6**	**15.2**	**148.1**	**492.7**	**450.8**	**937.7**	**22.4**	**169.2**
327	Concrete, gypsum, and plaster products	3.9	74.0	3.0	6.1	52.0	154.4	168.1	322.3	6.3	23.2
33	**Primary metal industries**	**11.0**	**264.7**	**8.2**	**15.5**	**173.2**	**585.6**	**963.1**	**1 535.5**	**315.4**	**275.3**
331	Blast furnace and basic steel products	4.2	109.5	3.1	5.8	72.3	177.8	354.5	539.5	9.3	92.5
333	Primary nonferrous metals	2.6	72.7	1.9	3.6	49.6	261.4	353.0	601.0	288.9	111.4
34	**Fabricated metal products**	**37.5**	**809.7**	**26.1**	**51.4**	**493.2**	**1 755.9**	**1 152.4**	**2 893.2**	**50.5**	**380.3**
344	Fabricated structural metal products	12.1	252.6	8.4	16.8	155.7	455.3	433.8	884.1	20.4	174.5
347	Metal services, n.e.c.	3.1	39.7	2.3	4.6	25.9	81.6	37.4	117.6	3.6	12.3
348	Ordnance and accessories, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
349	Miscellaneous fabricated metal products	5.3	97.1	4.0	7.7	61.9	227.2	210.5	435.6	10.1	74.7
35	**Machinery, except electrical**	**28.1**	**560.2**	**18.7**	**36.5**	**327.7**	**1 181.1**	**954.9**	**2 144.9**	**51.9**	**504.9**
353	Construction and related machinery	2.8	61.8	1.5	2.7	25.6	123.8	134.8	258.9	4.1	78.7
354	Metalworking machinery	3.6	81.1	2.5	5.1	50.1	148.3	68.5	216.0	14.6	48.0
356	General industrial machinery	4.5	[illegible]5.7	3.1	5.9	57.3	237.6	179.9	415.2	12.5	131.6
358	Refrigeration and service machinery	6.4	115.4	4.2	8.2	69.0	253.8	237.2	488.1	7.1	89.5
359	Miscellaneous machinery, except electrical	5.1	99.6	3.7	7.5	64.2	162.1	67.9	227.3	8.3	38.2
36	**Electric and electronic equipment**	**37.4**	**714.1**	**25.9**	**46.6**	**407.7**	**1 744.9**	**1 609.2**	**3 418.8**	**103.2**	**483.4**
361	Electric distributing equipment	3.1	66.3	1.6	2.8	27.6	230.9	125.7	359.5	5.4	45.8
362	Electrical industrial apparatus	6.0	92.4	5.1	9.4	70.2	213.1	226.8	439.2	12.6	66.4
363	Household appliances	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
364	Electric lighting and wiring equipment	4.4	82.2	3.1	5.8	48.4	243.6	172.6	418.1	11.5	78.9
366	Communication equipment	7.3	167.5	3.0	5.9	51.0	373.0	171.3	547.6	16.0	69.8
367	Electronic components and accessories	7.6	170.7	5.8	9.8	113.3	385.0	204.1	592.2	45.7	111.5
369	Miscellaneous electrical equipment and supplies	3.6	61.5	2.8	5.4	40.2	165.1	122.2	292.9	4.0	42.4
37	**Transportation equipment**	**56.6**	**1 648.9**	**35.0**	**72.0**	**921.4**	**3 948.8**	**9 387.3**	**12 959.8**	**295.2**	**4 611.3**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**5.2**	**99.1**	**3.1**	**5.9**	**48.4**	**228.2**	**122.6**	**342.9**	**8.0**	**88.7**
384	Medical instruments and supplies	3.0	52.6	1.9	3.6	26.9	129.7	58.0	179.8	4.7	46.9
39	**Miscellaneous manufacturing industries**	**5.0**	**72.4**	**3.6**	**6.5**	**44.8**	**142.5**	**144.5**	**292.6**	**(D)**	**48.4**
399	Miscellaneous manufactures	2.6	38.6	1.9	3.6	24.8	75.7	64.7	140.5	3	19.3
—	**Auxiliaries**[2]	**29.1**	**885.2**	-	-	-	-	-	-	-	-
Mont.	**Montana**	**20.1**	**418.7**	**15.1**	**29.5**	**297.7**	**751.7**	**2 914.6**	**3 697.2**	**62.4**	**469.3**
24	**Lumber and wood products**	**7.7**	**152.1**	**6.7**	**13.0**	**137.7**	**246.4**	**505.8**	**749.6**	**20.5**	**102.7**
242	Sawmills and planing mills	3.3	72.5	2.9	5.8	62.6	110.7	182.4	291.7	(D)	59.3

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Mo.
35.4	**627.2**	**18.5**	**33.4**	**286.0**	**1 181.8**	**767.8**	**1 928.0**	**53.3**	**4**	**3**	**10**	**27**
8.2	132.1	3.3	5.7	49.3	304.7	125.7	430.5	5.8	3	2	13	271
2.5	39.7	1.4	2.6	19.8	100.8	50.8	151.0	7.1	1	5	11	273
10.1	183.3	7.7	14.1	125.9	338.6	263.1	601.8	22.2	2	3	34	275
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	277
2.7	38.1	2.1	3.7	25.2	76.9	33.0	110.4	2.3	28	24	36	278
22.7	**505.5**	**12.4**	**24.5**	**230.5**	**2 202.0**	**1 826.9**	**4 037.4**	**126.4**	**3**	**1**	**4**	**28**
5.4	127.8	2.8	5.3	48.4	529.1	284.8	832.4	29.2	2	2	4	283
5.7	128.0	2.9	5.7	54.2	610.1	510.9	1 125.1	27.6	1	2	4	284
12.2	**185.3**	**9.4**	**17.3**	**124.3**	**475.1**	**474.5**	**954.8**	**44.7**	**2**	**3**	**16**	**30**
9.3	136.3	7.3	13.3	90.6	369.3	353.3	725.6	30.4	3	3	19	307
17.2	**188.8**	**15.4**	**24.9**	**138.6**	**409.3**	**345.9**	**754.0**	**7.1**	**5**	**7**	**12**	**31**
13.6	126.7	12.3	18.9	106.6	333.5	248.6	582.5	3.0	1	2	3	314
10.3	**195.6**	**7.9**	**14.9**	**141.5**	**420.8**	**432.2**	**868.6**	**47.7**	**3**	**9**	**19**	**32**
4.0	67.1	3.1	5.6	46.1	129.5	161.8	292.7	12.7	4	12	7	327
13.6	**309.8**	**10.3**	**18.9**	**209.2**	**495.8**	**909.4**	**1 454.0**	**65.4**	**15**	**11**	**2**	**33**
4.9	132.3	3.6	6.2	85.6	228.3	315.6	579.0	19.8	1	1	7	331
2.4	67.8	1.7	3.3	45.8	62.7	337.6	405.9	21.6	1	1	1	333
37.0	**769.2**	**25.7**	**50.0**	**475.0**	**1 507.1**	**1 204.9**	**2 739.0**	**56.8**	**2**	**2**	**20**	**34**
13.6	275.6	9.5	18.8	177.6	548.7	573.4	1 143.3	25.6	2	4	19	344
2.0	29.9	1.6	3.2	21.5	58.8	29.6	88.2	3.9	19	11	23	347
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	348
5.3	90.9	3.9	7.4	57.1	207.3	194.3	407.1	11.0	2	4	18	349
30.6	**571.0**	**20.2**	**38.8**	**335.6**	**1 095.2**	**938.1**	**2 082.9**	**62.2**	**2**	**2**	**10**	**35**
3.1	64.9	1.7	3.3	29.9	114.1	147.0	271.5	8.3	5	6	26	353
4.1	84.4	2.7	5.5	51.0	140.5	71.3	214.0	9.8	4	4	16	354
4.8	90.5	3.3	6.6	58.2	206.2	125.7	339.6	8.2	3	4	24	356
6.4	105.9	4.0	7.6	58.7	221.8	220.3	446.9	10.0	2	2	4	358
5.8	106.2	4.2	8.4	70.5	165.6	75.9	245.5	14.5	5	4	38	359
37.4	**682.6**	**25.8**	**46.9**	**392.1**	**1 679.2**	**1 558.3**	**3 258.5**	**144.7**	**2**	**2**	**3**	**36**
3.6	71.3	2.0	3.4	30.1	157.1	109.6	279.6	6.5	1	1	4	361
5.3	79.0	4.3	7.9	58.7	207.5	174.0	385.3	22.1	1	1	3	362
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	363
4.3	80.0	2.9	5.4	45.5	215.5	156.6	378.2	10.5	3	4	11	364
7.1	150.7	3.0	5.8	47.5	303.8	187.4	504.5	22.1	1	1	3	366
8.1	174.8	6.1	11.3	117.4	368.0	205.8	580.4	63.3	1	1	1	367
3.5	56.6	2.7	5.2	39.5	156.0	131.7	284.7	10.4	18	19	42	369
54.5	**1 481.5**	**32.7**	**63.0**	**787.1**	**4 367.2**	**7 133.3**	**10 273.2**	**517.7**	**1**	**1**	**2**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
5.4	**95.3**	**3.3**	**6.1**	**46.7**	**212.1**	**124.8**	**339.0**	**13.3**	**2**	**3**	**14**	**38**
3.0	49.5	2.0	3.5	25.8	109.4	64.0	179.4	6.3	2	4	13	384
5.4	**70.3**	**4.1**	**7.5**	**43.6**	**143.1**	**139.7**	**286.2**	**(D)**	**6**	**7**	**(X)**	**39**
2.6	37.4	1.9	3.6	24.0	73.6	61.3	135.1	1.9	1	3	1	399
31.5	**888.6**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	—
20.2	**379.1**	**14.6**	**27.0**	**265.0**	**713.5**	**2 954.5**	**3 668.2**	**74.6**	**3**	**4**	**10**	**Mont.**
6.9	**130.6**	**5.9**	**10.8**	**107.8**	**163.3**	**420.4**	**590.4**	**11.1**	**2**	**6**	**23**	**24**
2.8	56.0	2.4	4.6	47.2	69.6	128.6	200.2	(D)	3	10	(X)	242

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries Includes industry groups with 2,500 employees or more For meaning of abbreviations and symbols, see introductory text For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Nebr.	**Nebraska**	**86.3**	**1 612.0**	**60.8**	**119.8**	**1 015.2**	**4 532.6**	**9 524.0**	**13 955.3**	**199.9**	**1 318.3**
20	**Food and kindred products**	**22.7**	**431.1**	**17.5**	**36.1**	**307.9**	**1 527.3**	**6 483.8**	**7 991.1**	**61.1**	**285.5**
201	Meat products	12.4	241.7	10.6	21.9	189.9	660.5	4 832.7	5 477.9	19.4	113.7
204	Grain mill products	3.6	80.7	2.6	5.5	57.9	496.4	688.5	1 187.5	13.4	74.9
27	**Printing and publishing**	**7.4**	**119.2**	**4.7**	**8.5**	**68.0**	**250.7**	**158.9**	**408.7**	**14.8**	**27.8**
271	Newspapers	3.2	41.6	1.5	2.5	16.1	102.6	35.3	137.9	1.2	6.2
275	Commercial printing	3.1	57.1	2.5	4.4	41.3	97.4	94.9	191.3	11.9	17.9
30	**Rubber and miscellaneous plastics products**	**4.0**	**76.5**	**3.1**	**5.9**	**53.2**	**173.0**	**136.8**	**309.4**	**3.7**	**38.4**
34	**Fabricated metal products**	**6.3**	**118.9**	**4.4**	**8.8**	**70.1**	**266.7**	**325.4**	**578.9**	**10.6**	**144.3**
344	Fabricated structural metal products	2.8	50.3	1.7	3.4	27.6	100.6	180.4	276.1	5.4	75.3
35	**Machinery, except electrical**	**12.3**	**253.0**	**8.3**	**16.5**	**151.6**	**640.0**	**536.5**	**1 168.0**	**27.4**	**200.9**
352	Farm and garden machinery	5.7	116.8	3.6	7.2	64.0	348.3	333.9	681.0	10.4	149.9
36	**Electric and electronic equipment**	**7.1**	**135.2**	**4.9**	**9.1**	**77.8**	**289.4**	**204.6**	**494.1**	**17.3**	**98.4**
366	Communication equipment	3.1	69.8	2.3	4.0	46.1	111.9	141.6	242.8	9.6	69.3
367	Electronic components and accessories	2.9	41.7	1.7	3.5	16.5	80.4	29.0	107.8	5.2	19.9
37	**Transportation equipment**	**4.0**	**71.2**	**3.1**	**6.2**	**53.1**	**250.5**	**208.0**	**451.4**	**9.8**	**86.8**
38	**Instruments and related products**	**3.8**	**63.8**	**3.1**	**5.9**	**47.1**	**308.1**	**126.6**	**430.6**	**22.7**	**38.3**
384	Medical instruments and supplies	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
--	**Auxiliaries**[2]	**3.2**	**56.7**	-	-	-	-	-	-	-	-
Nev.	**Nevada**	**19.6**	**365.1**	**12.7**	**24.4**	**209.3**	**808.0**	**860.2**	**1 767.8**	**73.4**	**303.0**
27	**Printing and publishing**	**3.0**	**41.7**	**1.6**	**2.8**	**21.2**	**124.8**	**62.3**	**187.1**	**2.4**	**10.5**
N.H.	**New Hampshire**	**108.9**	**1 989.6**	**78.8**	**146.4**	**1 130.3**	**3 983.6**	**3 917.9**	**7 928.9**	**238.0**	**1 386.1**
22	**Textile mill products**	**3.9**	**55.4**	**3.3**	**6.1**	**39.8**	**134.6**	**107.3**	**237.7**	**4.3**	**37.3**
23	**Apparel and other textile products**	**3.7**	**40.9**	**3.1**	**5.5**	**27.9**	**75.6**	**37.7**	**115.2**	**2.1**	**18.8**
24	**Lumber and wood products**	**5.1**	**85.3**	**4.4**	**7.9**	**47.5**	**137.7**	**191.5**	**315.9**	**8.8**	**59.9**
26	**Paper and allied products**	**6.5**	**135.2**	**4.6**	**9.0**	**82.4**	**338.7**	**449.1**	**786.9**	**23.1**	**82.0**
262	Paper mills, except building paper	2.6	53.4	2.0	3.8	38.4	103.8	188.3	291.8	(D)	37.6
264	Miscellaneous converted paper products	3.3	66.7	2.1	4.0	34.6	209.4	226.6	435.9	6.9	34.5
27	**Printing and publishing**	**6.5**	**99.3**	**4.1**	**7.4**	**56.2**	**252.3**	**150.5**	**402.3**	**7.2**	**31.6**
30	**Rubber and miscellaneous plastics products**	**8.9**	**143.6**	**7.0**	**13.4**	**99.9**	**257.2**	**295.3**	**551.3**	**24.3**	**66.9**
307	Miscellaneous plastics products	6.5	112.0	5.0	10.0	77.2	202.2	216.3	414.7	22.5	49.6
31	**Leather and leather products**	**7.0**	**79.6**	**6.1**	**11.1**	**58.6**	**145.7**	**135.3**	**284.6**	**4.2**	**35.8**
314	Footwear, except rubber	6.0	64.1	5.2	9.4	46.8	115.6	95.9	216.2	3.4	26.4
33	**Primary metal industries**	**3.8**	**88.1**	**2.9**	**5.7**	**48.1**	**139.7**	**103.1**	**241.7**	**6.7**	**38.0**
34	**Fabricated metal products**	**6.4**	**109.7**	**4.9**	**10.0**	**74.0**	**234.9**	**198.3**	**429.9**	**10.4**	**102.2**
35	**Machinery, except electrical**	**18.0**	**383.6**	**10.7**	**21.4**	**183.4**	**747.4**	**1 047.3**	**1 860.4**	**51.2**	**433.5**
355	Special industry machinery	2.6	58.5	1.4	3.1	29.3	111.2	106.0	217.5	3.8	68.1
356	General industrial machinery	4.4	88.8	3.2	6.7	55.3	178.4	125.8	298.5	9.8	66.2
357	Office and computing machines	7.1	137.7	3.5	6.3	51.4	312.5	744.4	1 118.8	35.5	236.3
36	**Electric and electronic equipment**	**17.5**	**337.4**	**12.8**	**24.0**	**211.7**	**647.5**	**356.1**	**996.4**	**39.8**	**232.0**
366	Communication equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
367	Electronic components and accessories	7.3	110.0	5.8	10.5	69.0	179.4	122.9	298.5	16.1	66.3
38	**Instruments and related products**	**6.9**	**139.1**	**5.0**	**9.0**	**78.6**	**325.8**	**199.5**	**512.0**	**24.0**	**104.4**
382	Measuring and controlling devices	3.1	65.1	2.2	4.2	38.3	155.8	53.6	207.9	11.6	37.9
--	Auxiliaries[2]	3.6	134.9	-	-	-	-	-	-	-	-

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982												
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column¹ –			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
91.1	**1 624.4**	**64.4**	**124.3**	**1 014.8**	**4 444.5**	**10 628.0**	**15 143.2**	**245.3**	**1**	**1**	**6**	**Nebr.**
25.9	**453.1**	**20.2**	**40.3**	**335.6**	**1 556.6**	**7 854.2**	**9 432.3**	**47.2**	**3**	**2**	**10**	**20**
15.0	251.5	13.0	25.5	210.8	734.6	6 137.5	6 887.2	15.9	3	2	7	201
3.7	81.4	2.7	6.0	59.7	465.0	645.0	1 118.0	15.7	2	2	24	204
7.7	**110.2**	**4.8**	**8.5**	**61.3**	**244.4**	**156.1**	**399.2**	**13.8**	**1**	**2**	**56**	**27**
3.1	39.6	1.4	2.6	15.3	97.6	34.8	132.3	4.3	1	1	12	271
3.3	50.0	2.6	4.5	35.6	98.5	89.8	187.2	8.5	2	4	69	275
4.0	**70.4**	**3.1**	**5.7**	**48.3**	**155.1**	**122.7**	**280.9**	**5.1**	**2**	**2**	**3**	**30**
6.9	**128.1**	**4.8**	**9.5**	**73.7**	**287.9**	**370.1**	**658.7**	**21.4**	**2**	**3**	**8**	**34**
3.0	56.3	1.9	3.8	30.7	122.6	205.3	326.7	8.8	3	3	14	344
13.2	**253.7**	**8.6**	**16.7**	**148.5**	**558.1**	**491.5**	**1 078.0**	**41.2**	**1**	**2**	**6**	**35**
6.4	124.3	3.9	7.6	66.0	317.9	296.5	629.0	18.4	2	2	5	352
7.2	**124.4**	**4.8**	**8.9**	**72.1**	**312.7**	**154.2**	**472.4**	**17.8**	**1**	**6**	**5**	**36**
3.1	66.4	2.4	4.2	45.1	144.2	98.7	246.8	8.5	2	15	2	366
3.0	38.4	1.7	3.5	15.3	72.4	28.5	100.7	6.6	1	2	1	367
3.8	**66.0**	**3.0**	**5.7**	**46.9**	**207.9**	**202.7**	**409.9**	**7.1**	**3**	**1**	**6**	**37**
3.6	**57.2**	**3.0**	**5.9**	**44.5**	**238.5**	**102.7**	**340.3**	**18.5**	**2**	**3**	**10**	**38**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	384
3.0	**87.9**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**
20.4	**356.2**	**13.1**	**24.8**	**209.7**	**862.6**	**895.6**	**1 755.6**	**80.3**	**2**	**3**	**11**	**Nev.**
2.8	**40.7**	**1.8**	**3.2**	**24.9**	**111.9**	**53.0**	**165.1**	**5.8**	**2**	**3**	**60**	**27**
107.4	**1 792.0**	**75.3**	**144.9**	**1 054.9**	**4 004.0**	**3 609.3**	**7 635.6**	**246.2**	**1**	**1**	**6**	**N.H.**
3.7	**50.8**	**3.1**	**6.2**	**38.3**	**113.4**	**96.5**	**211.7**	**5.0**	**1**	**2**	**4**	**22**
3.4	**37.5**	**2.7**	**5.0**	**25.4**	**64.8**	**40.6**	**105.4**	**1.6**	**7**	**9**	**26**	**23**
4.8	**61.6**	**4.1**	**7.8**	**46.7**	**122.3**	**175.9**	**298.3**	**11.8**	**3**	**7**	**36**	**24**
6.6	**131.5**	**4.6**	**9.0**	**77.8**	**322.6**	**411.2**	**740.6**	**27.1**	**1**	**1**	**10**	**26**
2.6	49.5	2.0	4.1	36.6	111.8	170.5	281.5	(D)	1	2	(X)	262
3.3	68.9	2.0	3.8	32.9	184.7	209.7	402.5	9.9	1	1	1	264
6.5	**94.8**	**4.0**	**7.6**	**53.0**	**236.6**	**147.1**	**383.8**	**12.1**	**1**	**2**	**19**	**27**
8.3	**120.1**	**6.4**	**11.6**	**78.6**	**213.7**	**264.9**	**479.7**	**16.2**	**2**	**5**	**31**	**30**
5.8	87.3	4.2	8.0	55.4	162.0	182.9	345.7	11.1	3	7	34	307
7.2	**82.0**	**6.3**	**11.1**	**60.1**	**132.7**	**140.1**	**275.4**	**7.7**	**4**	**1**	**13**	**31**
6.2	66.7	5.4	3.5	48.6	106.5	104.5	213.3	7.0	4	1	17	314
3.7	**63.9**	**2.7**	**5.8**	**41.6**	**127.6**	**91.0**	**219.5**	**12.5**	**1**	**1**	**2**	**33**
6.7	**107.9**	**5.3**	**10.8**	**74.6**	**238.2**	**178.4**	**415.8**	**10.6**	**2**	**2**	**11**	**34**
18.7	**360.9**	**10.9**	**22.5**	**178.5**	**1 032.6**	**911.8**	**1 968.9**	**52.7**	**2**	**3**	**8**	**35**
3.0	64.0	1.7	3.5	34.4	124.3	108.8	243.1	6.0	3	4	15	355
4.3	80.9	3.0	7.5	48.1	192.3	86.9	279.0	10.1	7	10	32	356
7.1	131.4	3.3	6.1	46.6	550.1	642.2	1 194.3	26.6	2	1	8	357
17.2	**300.1**	**12.5**	**23.7**	**192.1**	**619.7**	**319.3**	**926.1**	**46.4**	**1**	**1**	**4**	**36**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	366
6.6	86.8	5.4	10.0	56.9	163.8	100.5	263.3	21.6	2	2	10	367
7.1	**124.3**	**5.0**	**8.8**	**74.8**	**283.3**	**181.7**	**460.9**	**17.2**	**1**	**1**	**38**	**38**
3.6	66.8	2.5	4.4	38.3	144.5	56.0	199.2	8.1	2	2	7	382
2.3	70.0	-	-	-	-	-	-	-	1	(X)	(X)	--

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Table 2. **Statistics by Selected Industry Group for the United States and States: 1983 and**

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text Fo

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
N.J.	**New Jersey**	**751.7**	**16 524.0**	**436.0**	**846.7**	**7 491.4**	**33 690.9**	**39 104.4**	**72 636.9**	**1 859.1**	**10 613.9**
20	**Food and kindred products**	**40.3**	**840.1**	**28.9**	**56.8**	**550.9**	**3 499.5**	**4 869.0**	**8 353.1**	**209.7**	**707.9**
201	Meat products	5.4	92.2	4.3	9.0	64.8	191.1	698.8	881.0	8.6	45.8
202	Dairy products	2.8	56.1	1.7	3.2	32.1	211.9	598.0	810.4	11.4	27.3
203	Preserved fruits and vegetables	6.7	137.5	5.1	10.2	96.7	600.5	690.4	1 287.5	47.5	192.7
205	Bakery products	8.2	161.2	6.1	11.8	111.7	627.2	349.6	978.0	17.3	48.4
206	Sugar and confectionery products	2.7	60.9	2.2	4.1	44.0	325.9	369.4	698.3	16.2	69.9
208	Beverages	6.2	161.3	4.0	7.3	96.9	737.8	838.1	1 579.8	21.2	125.5
209	Miscellaneous foods and kindred products	6.6	138.3	4.5	8.7	85.3	705.6	997.5	1 686.1	28.3	170.2
22	**Textile mill products**	**16.8**	**276.5**	**13.8**	**27.5**	**203.0**	**539.5**	**568.3**	**1 098.2**	**37.5**	**141.5**
225	Knitting mills	7.6	104.1	6.4	12.5	79.7	174.5	228.3	397.9	9.8	58.2
226	Textile finishing, except wool	4.0	86.2	3.2	6.7	62.0	181.7	128.6	303.8	14.1	28.1
229	Miscellaneous textile goods	2.8	47.9	2.2	4.4	33.1	100.4	123.3	225.1	11.4	31.2
23	**Apparel and other textile products**	**50.8**	**568.9**	**43.2**	**76.8**	**398.1**	**1 276.6**	**1 376.9**	**2 638.1**	**16.1**	**340.5**
231	Men's and boys' suits and coats	2.7	29.7	2.5	4.4	19.8	50.9	13.3	62.2	.6	7.8
232	Men's and boys' furnishings	2.6	29.7	2.1	3.6	19.4	81.1	66.7	153.2	.6	20.6
233	Women's and misses' outerwear	24.2	253.2	21.0	37.0	184.3	576.3	683.5	1 249.8	6.9	115.1
234	Women's and children's undergarments	3.8	46.2	2.9	5.3	26.6	116.1	147.2	260.1	2.0	52.7
236	Children's outerwear	2.9	26.0	2.3	4.0	16.9	73.2	40.0	112.6	.3	14.1
239	Miscellaneous fabricated textile products	11.5	150.6	9.6	18.0	106.3	305.7	359.9	662.5	4.9	106.2
24	**Lumber and wood products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
243	Millwork, plywood, and structural members	2.5	37.4	2.0	4.0	24.5	69.6	87.2	156.3	1.5	22.7
25	**Furniture and fixtures**	**10.3**	**169.9**	**8.2**	**16.3**	**116.5**	**370.5**	**349.1**	**709.1**	**32.0**	**115.4**
251	Household furniture	3.5	53.6	2.8	5.9	35.4	131.3	131.9	262.8	13.9	45.7
26	**Paper and allied products**	**27.4**	**555.6**	**19.9**	**39.6**	**343.2**	**1 263.1**	**1 717.9**	**2 980.3**	**89.1**	**338.7**
264	Miscellaneous converted paper products	13.4	264.7	9.2	18.1	145.8	667.1	855.8	1 515.0	57.5	185.7
265	Paperboard containers and boxes	10.8	213.6	8.1	16.1	139.6	400.3	591.3	998.6	16.9	108.5
27	**Printing and publishing**	**54.5**	**1 030.4**	**29.9**	**55.5**	**498.0**	**2 369.7**	**1 306.8**	**3 631.7**	**113.8**	**357.4**
271	Newspapers	12.6	211.8	3.9	6.9	65.8	556.7	214.3	770.8	18.8	23.0
273	Books	6.1	140.5	1.4	3.0	14.6	371.5	142.8	494.5	8.2	98.4
275	Commercial printing	21.3	403.9	15.1	28.2	261.2	783.6	603.6	1 376.9	57.8	122.9
278	Blankbooks and bookbinding	4.9	78.9	4.0	7.4	58.5	157.7	95.6	251.2	6.8	45.4
279	Printing trade services	4.5	94.4	3.2	6.1	61.0	209.8	72.6	270.5	19.9	35.9
28	**Chemicals and allied products**	**89.6**	**2 270.9**	**46.6**	**90.6**	**1 010.5**	**8 841.8**	**7 147.0**	**15 997.9**	**513.8**	**2 431.5**
281	Industrial inorganic chemicals	3.9	106.4	2.4	4.9	56.8	289.4	410.9	717.5	18.7	142.3
282	Plastics materials and synthetics	4.8	136.0	3.1	6.4	82.6	464.3	958.0	1 441.3	58.7	178.4
283	Drugs	32.0	842.0	13.3	24.5	281.8	3 396.5	1 420.5	4 803.8	224.1	820.5
284	Soaps, cleaners, and toilet goods	24.8	544.7	13.4	26.3	249.6	2 440.5	1 567.0	3 993.3	96.0	543.5
285	Paints and allied products	4.0	90.6	2.4	4.5	43.1	292.3	412.1	701.0	7.3	97.8
286	Industrial organic chemicals	13.0	401.4	8.2	16.3	221.9	1 400.1	1 701.4	3 078.3	89.1	483.9
289	Miscellaneous chemical products	6.2	138.0	3.5	7.1	70.0	458.9	584.1	1 056.1	19.0	128.2
29	**Petroleum and coal products**	**6.3**	**189.6**	**4.0**	**8.8**	**118.2**	**394.2**	**5 946.6**	**6 468.8**	**(D)**	**499.7**
291	Petroleum refining	3.7	131.0	2.3	5.2	83.2	233.8	5 522.1	5 884.3	(D)	432.4
30	**Rubber and miscellaneous plastics products**	**35.7**	**609.5**	**27.1**	**54.2**	**392.1**	**1 298.0**	**1 458.7**	**2 743.1**	**71.1**	**366.2**
306	Fabricated rubber products, n.e.c.	3.6	66.8	2.6	5.2	39.0	123.7	108.0	230.9	5.6	32.4
307	Miscellaneous plastics products	30.0	504.1	23.3	46.4	333.5	1 117.6	1 287.7	2 391.1	63.4	303.7
31	**Leather and leather products**	**4.2**	**57.1**	**3.3**	**6.1**	**39.0**	**127.7**	**110.8**	**237.8**	**2.6**	**46.3**
32	**Stone, clay, and glass products**	**24.7**	**527.1**	**19.5**	**39.1**	**378.3**	**1 118.2**	**975.9**	**2 072.3**	**44.9**	**355.3**
322	Glass and glassware, pressed or blown	8.4	206.5	7.1	15.0	163.8	341.9	347.8	691.9	18.4	141.2
323	Products of purchased glass	3.4	53.3	2.7	5.4	35.7	119.2	93.1	210.9	9.5	37.4
326	Pottery and related products	3.8	66.9	2.9	5.2	46.6	169.8	49.9	198.9	2.4	52.2
327	Concrete, gypsum, and plaster products	3.4	76.0	2.5	5.0	46.9	171.2	207.5	377.0	4.0	28.9
329	Miscellaneous nonmetallic mineral products	4.9	108.6	3.7	7.4	74.0	289.7	245.2	535.1	8.4	83.2
33	**Primary metal industries**	**19.6**	**414.9**	**14.6**	**28.8**	**278.1**	**876.4**	**1 749.3**	**2 600.2**	**56.9**	**610.5**
331	Blast furnace and basic steel products	3.3	76.9	2.4	4.7	55.9	156.0	381.2	522.9	(D)	181.6
332	Iron and steel foundries	3.2	64.9	2.5	4.8	45.7	146.3	127.1	269.1	3.4	41.6
335	Nonferrous rolling and drawing	7.4	140.1	5.7	11.5	94.2	324.7	843.3	1 110.7	(D)	238.3
34	**Fabricated metal products**	**52.4**	**1 050.2**	**39.4**	**79.2**	**688.4**	**2 196.3**	**2 112.7**	**4 295.2**	**100.1**	**740.2**
341	Metal cans and shipping containers	4.0	99.8	3.2	6.6	76.0	230.3	438.8	658.3	6.6	87.2
342	Cutlery, hand tools, and hardware	6.8	154.0	5.7	10.8	115.6	308.5	239.8	552.0	12.2	76.7
344	Fabricated structural metal products	11.4	224.2	8.3	16.9	135.5	438.4	523.0	974.2	22.9	168.2
345	Screw machine products, bolts, etc.	4.1	80.1	2.9	5.8	51.0	171.2	103.8	276.6	12.3	63.0
346	Metal forgings and stampings	7.5	138.0	5.8	11.1	94.9	304.2	205.2	488.4	11.5	90.1
347	Metal services, n.e.c.	3.5	62.7	2.9	6.5	41.3	112.5	82.7	196.2	8.7	14.9
349	Miscellaneous fabricated metal products	13.1	258.7	9.2	18.8	156.3	562.9	456.5	1 018.1	24.1	212.4

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ —			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
754.0	**15 845.0**	**440.4**	**842.7**	**7 206.7**	**31 656.0**	**38 430.8**	**70 419.9**	**2 061.3**	**3**	**1**	**4**	**N.J.**
39.1	**792.4**	**28.0**	**55.4**	**514.8**	**3 266.1**	**4 769.1**	**8 040.7**	**158.4**	**1**	**1**	**20**	**20**
4.9	84.9	3.8	7.8	57.7	179.8	689.7	664.2	15.5	1	4	4	201
2.6	53.8	1.7	3.2	31.0	185.1	597.6	778.2	17.8	5	4	21	202
6.7	124.6	5.1	10.0	86.0	535.4	658.1	1 194.6	33.0	2	3	32	203
7.9	156.1	5.8	11.7	102.2	605.5	315.5	919.9	20.2	2	2	8	205
2.5	56.2	2.0	3.9	41.4	280.6	368.7	657.2	9.3	2	1	10	206
6.3	152.4	4.1	7.6	95.3	703.3	814.3	1 514.4	24.9	1	3	6	208
6.4	130.8	4.4	8.7	82.1	694.5	970.7	1 672.1	30.8	1	3	6	209
17.0	**262.7**	**14.0**	**28.0**	**193.4**	**462.7**	**589.4**	**1 054.4**	**23.0**	**4**	**10**	**25**	**22**
7.4	95.8	6.2	12.2	73.9	161.4	232.5	397.3	7.0	4	7	34	225
4.5	87.1	3.7	8.0	63.3	139.8	149.2	288.7	7.8	14	26	61	226
2.9	45.5	2.2	4.4	31.1	92.9	124.5	216.4	5.0	3	6	9	229
50.7	**561.2**	**43.1**	**73.8**	**404.3**	**1 194.3**	**1 306.5**	**2 524.6**	**55.2**	**35**	**3**	**8**	**23**
3.1	37.0	2.9	5.0	27.9	57.5	24.1	83.0	.5	5	5	63	231
2.2	23.8	1.8	3.0	16.0	67.8	48.9	115.0	.6	3	6	5	232
23.5	237.0	20.2	33.6	172.3	512.0	615.3	1 142.4	39.1	74	2	9	233
3.9	43.0	2.9	5.0	25.6	102.6	127.2	235.9	3.5	1	2	6	234
3.5	30.7	2.9	4.7	21.6	60.0	56.8	118.5	.8	26	25	57	236
11.5	156.1	9.7	17.9	115.7	324.9	367.7	693.6	9.0	1	8	20	239
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**24**
2.4	34.8	1.9	3.7	23.3	62.2	75.9	139.8	1.5	3	4	38	243
9.8	**141.7**	**7.6**	**14.5**	**96.2**	**301.6**	**259.2**	**556.2**	**10.0**	**2**	**6**	**44**	**25**
3.4	46.9	2.6	5.1	31.1	115.7	117.6	230.5	4.1	3	7	4	251
26.8	**521.1**	**19.5**	**38.2**	**323.9**	**1 214.6**	**1 505.3**	**2 721.7**	**97.6**	**2**	**4**	**7**	**26**
13.0	247.7	8.0	17.5	139.9	612.9	718.6	1 331.1	43.4	2	6	9	264
10.7	202.4	8.1	15.8	131.1	400.3	544.1	946.2	34.6	3	2	20	265
53.7	**950.6**	**29.7**	**54.9**	**479.3**	**2 130.0**	**1 162.1**	**3 290.4**	**163.9**	**2**	**2**	**15**	**27**
12.8	201.9	3.9	7.1	66.5	489.8	200.6	690.4	76.5	3	1	6	271
6.3	121.8	1.6	3.1	22.7	324.3	141.0	472.9	9.2	4	2	8	273
19.8	367.4	14.7	27.6	241.9	715.7	514.0	1 230.6	43.8	4	3	29	275
4.8	73.0	4.0	7.4	54.8	145.6	68.1	208.3	5.4	3	7	41	278
4.5	88.1	3.2	5.8	58.0	184.1	68.3	250.7	15.1	1	2	17	279
92.0	**2 249.0**	**47.7**	**94.0**	**971.1**	**7 759.3**	**6 834.9**	**14 750.9**	**574.7**	**1**	**1**	**4**	**28**
4.4	112.1	2.6	5.3	60.5	291.2	414.2	716.5	28.5	3	3	5	281
4.9	126.0	3.2	6.5	75.7	411.6	865.0	1 300.4	45.1	1	5	7	282
31.6	847.0	13.4	26.0	272.1	3 021.9	1 340.7	4 347.0	247.6	1	1	3	283
25.0	508.7	13.3	26.7	228.3	2 258.7	1 391.3	3 667.0	71.6	3	2	6	284
4.3	91.5	2.5	4.7	43.0	282.8	413.6	707.6	11.5	2	2	8	285
14.4	406.4	8.4	16.4	212.6	887.6	1 705.9	2 707.4	136.5	2	3	7	286
6.8	145.6	3.9	7.6	72.8	472.0	603.1	1 079.3	32.0	3	6	89	289
7.3	**212.5**	**4.7**	**10.2**	**127.6**	**587.4**	**7 116.1**	**7 689.3**	**(D)**	**1**	**1**	**(X)**	**29**
4.7	155.6	3.0	6.7	93.2	435.5	6 711.3	7 124.1	(D)	1	2	(X)	291
34.8	**567.2**	**26.7**	**52.2**	**363.7**	**1 239.0**	**1 351.7**	**2 596.6**	**83.8**	**2**	**2**	**9**	**30**
3.9	67.4	2.8	5.7	39.7	138.3	110.0	249.3	8.0	2	2	32	306
29.1	469.4	22.7	44.1	306.8	1 039.1	1 200.0	2 249.3	72.8	2	2	10	307
4.5	**58.0**	**3.7**	**6.9**	**38.1**	**124.3**	**114.5**	**240.6**	**1.9**	**3**	**3**	**22**	**31**
26.5	**526.5**	**20.7**	**40.6**	**378.6**	**1 078.4**	**980.1**	**2 056.9**	**99.8**	**1**	**2**	**8**	**32**
9.2	209.5	7.7	15.4	165.0	372.6	369.5	732.8	62.9	2	1	14	322
3.5	52.4	2.7	5.4	35.5	112.9	87.3	200.4	6.9	4	3	10	323
3.9	60.9	3.1	5.4	43.0	137.3	47.9	184.1	4.3	1	2	12	326
3.3	71.1	2.4	4.8	45.6	142.3	182.8	324.8	8.5	4	9	44	327
5.7	116.9	4.1	8.3	78.4	289.7	255.5	553.0	15.6	3	3	14	329
20.9	**421.4**	**15.3**	**30.0**	**274.8**	**845.1**	**1 584.1**	**2 463.2**	**77.7**	**2**	**4**	**9**	**33**
3.5	78.8	2.5	4.6	52.8	163.6	355.4	529.8	(D)	5	11	(X)	331
3.4	64.5	2.6	5.1	44.4	138.9	120.1	261.1	5.5	3	2	3	332
8.0	145.6	5.9	12.0	94.5	274.3	719.4	1 014.3	(D)	1	8	(X)	335
52.9	**1 014.8**	**39.4**	**76.0**	**658.3**	**2 119.1**	**2 159.5**	**4 296.0**	**109.1**	**3**	**4**	**11**	**34**
4.1	99.4	3.4	6.3	75.5	250.9	426.7	682.4	17.6	1	2	1	341
7.3	139.3	6.0	10.3	103.5	285.0	201.8	491.6	13.7	1	1	13	342
12.2	236.2	8.9	17.8	147.8	464.6	542.8	1 006.3	21.8	4	4	27	344
4.2	80.4	3.0	6.0	51.1	158.2	102.8	264.0	7.5	5	5	31	345
6.5	119.8	5.0	9.9	80.1	236.9	238.2	472.2	11.5	10	26	39	346
3.7	60.2	3.0	6.0	40.4	112.7	128.1	240.7	7.0	6	14	50	347
12.9	247.7	8.8	17.1	142.3	542.4	461.0	1 010.3	26.9	8	6	22	349

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
N.J.	**New Jersey**—Con.										
35	**Machinery, except electrical**	**54.5**	**1 163.9**	**34.6**	**68.5**	**634.1**	**2 351.9**	**1 755.2**	**4 126.5**	**119.5**	**1 010.1**
353	Construction and related machinery	3.5	67.7	2.1	4.1	37.9	161.9	182.2	349.3	9.8	78.3
354	Metalworking machinery	6.9	148.0	5.2	10.6	96.5	280.1	132.9	405.8	12.5	81.2
355	Special industry machinery	10.0	229.4	5.6	11.0	110.8	445.6	295.1	734.6	17.1	230.0
356	General industrial machinery	11.7	263.6	7.1	14.1	142.4	471.6	396.9	893.5	20.6	223.6
357	Office and computing machines	6.8	143.8	3.4	6.9	61.9	401.6	260.0	646.8	13.5	172.6
358	Refrigeration and service machinery	6.6	136.7	4.4	8.3	79.4	279.1	310.6	585.1	12.1	156.6
359	Miscellaneous machinery, except electrical	7.9	146.5	6.3	12.5	94.6	258.7	123.9	397.1	32.3	32.2
36	**Electric and electronic equipment**	**82.9**	**1 814.8**	**54.9**	**103.7**	**1 030.2**	**3 883.8**	**2 501.6**	**6 286.6**	**203.3**	**1 263.3**
361	Electric distributing equipment	4.2	71.6	3.2	6.1	45.7	140.4	119.8	258.7	6.4	56.9
362	Electrical industrial apparatus	3.6	66.0	2.4	4.8	37.2	118.4	83.0	200.7	1.8	41.0
364	Electric lighting and wiring equipment	9.0	146.5	7.0	12.8	92.9	342.1	286.1	618.8	13.7	149.8
365	Radio and TV receiving equipment	3.0	46.2	2.1	4.3	29.3	456.8	210.6	668.5	2.0	57.0
366	Communication equipment	37.1	1 014.9	23.3	43.7	598.1	1 891.4	1 191.0	3 009.9	121.8	647.1
367	Electronic components and accessories	18.8	335.3	12.9	24.2	170.0	678.6	371.5	1 039.6	35.8	200.3
369	Miscellaneous electrical equipment and supplies	6.3	117.3	3.4	6.3	48.3	202.8	173.0	371.1	18.5	90.4
37	**Transportation equipment**	**16.2**	**400.2**	**12.2**	**24.8**	**293.7**	**877.9**	**3 032.3**	**3 913.0**	**42.9**	**275.7**
371	Motor vehicles and equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
372	Aircraft and parts	3.8	97.0	2.1	4.7	50.0	201.2	121.0	320.4	16.3	90.3
38	**Instruments and related products**	**28.8**	**673.9**	**15.3**	**31.5**	**279.0**	**1 408.3**	**1 071.1**	**2 460.6**	**93.4**	**622.1**
381	Engineering and scientific instruments	4.1	106.1	2.1	4.7	51.4	136.6	109.5	249.0	7.1	90.5
382	Measuring and controlling devices	7.6	184.1	3.8	8.2	67.0	341.3	217.9	541.2	24.8	173.2
384	Medical instruments and supplies	9.8	235.9	4.7	9.3	86.7	673.5	351.4	1 021.3	32.0	223.0
386	Photographic equipment and supplies	4.7	103.2	2.9	5.6	51.9	169.1	333.9	502.7	27.0	97.4
39	**Miscellaneous manufacturing industries**	**22.3**	**331.8**	**16.8**	**31.2**	**192.2**	**853.9**	**885.4**	**1 712.2**	**35.0**	**338.5**
391	Jewelry, silverware, and plated ware	2.7	47.7	1.8	3.5	26.9	93.6	189.5	280.9	4.5	74.7
394	Toys and sporting goods	5.8	77.6	4.3	8.1	41.6	181.8	156.0	346.8	8.2	[illegible]
395	Pens, pencils, and office and art supplies	3.4	61.2	2.5	5.0	37.0	216.8	223.0	411.0	2.4	103.4
396	Costume jewelry and notions	2.6	40.4	2.0	3.5	24.2	82.7	78.1	157.5	7.9	29.7
399	Miscellaneous manufactures	7.7	103.4	6.0	10.9	61.4	275.9	235.6	509.5	12.0	76.9
—	**Auxiliaries**[1]	**109.7**	**3 506.4**	-	-	-	-	-	-	-	-
N. Mex.	**New Mexico**	**30.3**	**510.8**	**20.3**	**39.0**	**294.6**	**1 309.9**	**2 711.7**	**3 994.7**	**122.5**	**471.7**
20	**Food and kindred products**	**3.8**	**52.2**	**2.0**	**4.5**	**24.7**	**153.7**	**312.2**	**459.8**	**10.6**	**29.7**
24	**Lumber and wood products**	**2.9**	**37.9**	**2.6**	**4.6**	**28.8**	**94.1**	**109.1**	**199.8**	**5.0**	**20.1**
27	**Printing and publishing**	**2.8**	**44.3**	**1.4**	**2.5**	**18.3**	**130.3**	**40.3**	**170.9**	**21.7**	**2.7**
36	**Electric and electronic equipment**	**2.8**	**48.0**	**2.0**	**4.1**	**27.4**	**116.8**	**62.6**	**177.3**	**4.6**	**55.7**
37	**Transportation equipment**	**3.0**	**63.7**	**2.2**	**4.3**	**38.0**	**112.0**	**132.4**	**250.1**	**(D)**	**50.2**
N.Y.	**New York**	**1 383.3**	**30 044.1**	**817.9**	**1 577.4**	**13 441.7**	**66 969.8**	**58 766.6**	**125 956.3**	**3 545.6**	**20 129.3**
20	**Food and kindred products**	**65.3**	**1 320.4**	**43.5**	**89.1**	**800.0**	**5 002.0**	**7 483.1**	**12 502.4**	**329.6**	**982.1**
201	Meat products	6.8	121.2	5.2	10.4	92.5	252.3	836.3	1 100.4	(D)	38.6
202	Dairy products	8.3	170.3	5.1	11.2	103.6	563.3	1 834.2	2 396.6	32.0	94.1
203	Preserved fruits and vegetables	10.1	157.0	7.7	[illegible]	97.7	752.3	863.4	1 611.5	48.7	299.1
204	Grain mill products	4.4	111.6	3.2	6.8	79.8	610.0	854.3	1 476.8	32.3	76.1
205	Bakery products	13.8	287.2	7.5	15.1	134.8	696.4	453.4	1 147.2	24.6	37.3
206	Sugar and confectionery products	5.2	101.6	4.0	8.8	74.7	427.0	739.7	1 167.1	18.8	146.0
208	Beverages	10.4	265.3	5.9	12.4	150.7	1 269.5	1 326.8	2 607.7	115.4	205.8
209	Miscellaneous foods and kindred products	5.9	96.0	4.5	8.0	60.1	389.4	471.3	853.8	35.4	68.8
22	**Textile mill products**	**29.4**	**415.1**	**24.3**	**48.7**	**289.9**	**810.6**	**1 066.4**	**1 892.5**	**39.6**	**245.1**
225	Knitting mills	20.1	268.0	16.9	34.2	194.1	524.5	717.0	1 252.7	29.9	148.4
229	Miscellaneous textile goods	3.9	59.9	3.0	6.0	37.0	127.9	151.3	282.7	3.6	44.6
23	**Apparel and other textile products**	**168.9**	**2 057.0**	**135.5**	**258.8**	**1 315.8**	**4 835.8**	**6 871.9**	**11 687.8**	**69.0**	**1 406.1**
231	Men's and boys' suits and coats	8.1	115.2	6.8	12.6	89.6	224.2	175.8	398.5	10.5	75.0
232	Men's and boys' furnishings	16.6	213.8	12.4	22.3	127.5	571.8	696.6	1 270.1	7.1	158.0
233	Women's and misses' outerwear	84.0	1 035.9	67.9	130.4	651.8	2 407.6	3 743.5	6 139.2	34.6	579.8
234	Women's and children's undergarments	9.1	116.2	7.8	14.8	71.1	333.0	437.2	771.2	3.3	116.2
235	Hats, caps, and millinery	3.3	35.9	3.2	5.2	25.7	79.2	62.8	135.2	5	21.0
236	Children's outerwear	8.2	86.5	6.3	12.0	38.9	262.1	433.8	693.7	2.3	86.4
237	Fur goods	3.0	57.7	2.3	4.9	38.4	136.0	274.7	413.5	1.1	71.1
238	Miscellaneous apparel and accessories	10.0	126.9	8.3	16.2	84.5	263.9	333.2	598.5	2.7	92.5
239	Miscellaneous fabricated textile products	26.6	268.9	20.6	40.4	188.2	558.1	714.2	1 267.9	6.7	206.0
24	**Lumber and wood products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
242	Sawmills and planing mills	2.9	39.6	2.5	4.9	30.4	74.9	110.2	185.9	5.5	34.4
243	Millwork, plywood, and structural members	5.0	73.9	4.1	8.4	55.6	153.3	141.0	288.6	3.8	43.4
249	Miscellaneous wood products	4.8	58.2	3.9	7.3	37.4	80.2	91.9	176.5	1.0	30.7
25	**Furniture and fixtures**	**24.4**	**379.8**	**19.4**	**37.3**	**254.9**	**805.8**	**608.3**	**1 406.8**	**23.0**	**235.5**
251	Household furniture	8.6	117.3	7.4	14.1	82.9	224.5	182.1	400.2	6.1	76.3
252	Office furniture	5.5	94.8	4.1	7.8	55.4	236.7	155.0	386.6	14.0	67.5
254	Partitions and fixtures	6.7	117.8	5.4	10.4	84.7	233.4	163.9	401.1	1.6	55.9
259	Miscellaneous furniture and fixtures	3.1	44.4	2.3	4.4	28.6	101.2	130.0	200.8	1.1	31.3

See footnotes at end of table

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												N.J.
59.1	**1 209.4**	**37.1**	**72.7**	**665.2**	**2 439.9**	**1 919.1**	**4 477.3**	**139.6**	**2**	**2**	**22**	**35**
4.3	92.8	2.5	4.8	43.8	179.2	196.8	390.1	14.4	4	6	4	353
6.8	138.3	5.1	10.1	94.6	250.8	133.4	394.8	16.6	6	4	33	354
10.9	230.1	6.0	11.8	114.4	426.8	286.8	737.0	27.1	2	3	13	355
13.4	285.1	8.1	15.8	152.1	568.8	517.6	1 120.2	20.6	4	4	15	356
7.5	147.5	3.9	7.4	62.2	406.3	276.3	690.1	23.8	1	1	2	357
6.6	133.6	4.4	8.4	77.0	279.0	328.5	632.3	13.4	2	2	2	358
8.3	149.0	6.5	13.0	106.9	263.6	120.0	384.4	19.3	7	6	80	359
80.9	**1 661.8**	**52.9**	**100.4**	**917.7**	**3 260.7**	**2 168.6**	**5 416.0**	**176.9**	**2**	**2**	**7**	**36**
4.7	77.9	3.5	6.6	48.1	125.5	127.5	260.2	5.9	2	3	19	361
3.5	59.2	2.2	4.4	33.1	111.6	69.9	182.3	3.9	5	9	8	362
9.8	152.5	7.1	13.5	89.5	320.2	257.0	577.6	15.1	3	3	9	364
3.7	48.2	2.8	5.6	29.3	315.9	135.0	443.4	4.9	5	5	32	365
32.9	860.2	20.6	38.6	490.7	1 529.7	1 001.8	2 525.9	79.8	4	2	10	366
18.4	315.1	12.5	23.9	162.5	604.6	369.0	975.1	48.8	4	4	16	367
6.0	113.2	3.3	6.0	47.4	181.6	146.0	324.4	16.0	3	4	7	369
17.7	**411.3**	**13.0**	**24.2**	**281.9**	**1 275.8**	**2 541.0**	**3 831.0**	**48.0**	**2**	**2**	**20**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	371
4.8	119.3	2.6	5.4	57.6	210.7	139.8	364.8	14.1	1	2	51	372
28.9	**627.1**	**16.2**	**31.6**	**264.1**	**1 283.1**	**977.5**	**2 268.8**	**69.2**	**3**	**3**	**7**	**38**
3.9	89.3	2.1	4.5	41.0	132.0	99.2	241.5	3.9	2	11	8	381
7.5	160.4	3.6	7.4	59.5	320.4	183.6	493.1	11.9	4	5	11	382
10.0	231.6	5.4	10.4	90.5	568.5	365.2	934.3	24.5	6	5	15	384
5.0	102.3	3.1	6.2	50.9	173.6	276.8	458.2	23.4	1	2	13	386
23.9	**365.4**	**17.3**	**32.1**	**207.1**	**931.6**	**934.6**	**1 842.2**	**40.1**	**6**	**4**	**10**	**39**
2.7	45.0	1.8	3.5	24.5	94.0	167.8	256.0	4.4	3	1	12	391
7.1	105.1	5.2	9.1	53.5	297.9	281.5	566.5	15.2	14	3	4	394
4.1	69.0	2.8	5.7	40.3	221.7	214.7	429.9	7.6	8	7	25	395
2.5	35.8	2.0	3.9	22.0	61.2	55.6	117.2	2.9	29	19	39	396
7.3	109.0	5.4	9.8	65.8	253.6	211.8	466.2	10.0	4	7	12	399
107.8	**3 221.7**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	—
33.0	**521.2**	**22.2**	**41.8**	**296.6**	**1 397.7**	**2 431.8**	**3 815.4**	**120.8**	**4**	**6**	**7**	**N. Mex.**
3.6	**48.3**	**2.4**	**4.5**	**25.6**	**132.5**	**325.3**	**457.6**	**9.4**	**6**	**13**	**27**	**20**
2.6	**32.3**	**2.2**	**4.0**	**25.0**	**58.6**	**103.0**	**165.9**	**2.6**	**3**	**17**	**52**	**24**
3.3	**46.6**	**1.5**	**2.7**	**18.8**	**109.7**	**48.7**	**158.6**	**3.0**	**5**	**20**	**32**	**27**
4.9	**88.1**	**3.1**	**6.1**	**40.2**	**223.1**	**110.2**	**328.2**	**31.7**	**7**	**6**	**11**	**36**
2.9	**59.3**	**1.9**	**4.2**	**36.0**	**105.0**	**140.0**	**242.3**	**(D)**	**1**	**4**	**(X)**	**37**
1 418.8	**29 156.0**	**836.3**	**1 613.0**	**13 269.9**	**62 906.6**	**58 009.8**	**121 468.6**	**4 267.1**	**1**	**1**	**2**	**N.Y.**
66.2	**1 249.0**	**45.0**	**90.6**	**762.1**	**4 702.9**	**7 545.2**	**12 236.7**	**369.5**	**2**	**2**	**8**	**20**
6.4	118.4	5.1	9.8	86.9	275.4	961.3	1 238.0	(D)	6	8	(X)	201
8.7	157.3	5.9	11.8	101.7	457.7	1 753.5	2 208.4	32.8	6	8	25	202
9.9	149.9	7.6	15.0	95.5	703.3	878.4	1 578.3	57.0	5	3	19	203
4.4	106.4	3.4	7.3	78.5	573.6	803.8	1 376.0	33.5	2	2	6	204
14.6	282.1	8.3	16.7	132.8	687.4	466.1	1 153.7	25.4	4	4	21	205
5.1	92.8	3.9	8.5	64.7	466.2	719.8	1 182.2	15.2	1	1	6	206
10.1	234.0	5.8	11.8	128.5	1 118.8	1 291.0	2 408.5	160.3	3	3	13	208
6.4	96.4	4.8	8.9	66.1	376.4	583.4	959.3	26.1	3	11	44	209
28.7	**393.8**	**23.5**	**47.1**	**276.8**	**791.4**	**983.2**	**1 786.1**	**48.0**	**3**	**5**	**16**	**22**
18.6	236.7	15.6	31.6	173.5	490.4	635.4	1 131.6	28.6	4	6	21	225
4.5	69.4	3.4	6.7	42.8	149.3	170.5	321.9	6.7	8	11	15	229
171.5	**1 996.5**	**137.7**	**270.3**	**1 299.9**	**4 750.3**	**6 914.7**	**11 707.2**	**78.7**	**5**	**2**	**7**	**23**
9.3	118.6	8.0	14.5	89.2	211.5	163.4	375.7	2.8	4	3	2	231
13.8	166.3	10.9	19.7	101.9	490.1	667.0	1 161.2	11.4	13	5	28	232
87.0	1 024.5	70.1	144.9	657.3	2 482.3	3 890.5	6 394.4	40.2	9	3	10	233
9.8	113.0	7.9	13.6	66.9	306.0	417.2	729.3	3.7	8	5	24	234
3.5	33.6	3.2	5.8	27.1	62.4	61.4	124.5	1.1	13	16	21	235
9.0	101.0	6.9	13.3	59.8	261.8	420.4	688.9	2.7	7	5	43	236
3.0	53.9	2.2	3.9	37.4	119.5	265.5	385.5	2	3	6	71	237
10.7	128.2	8.9	16.5	82.0	280.6	343.0	625.3	3.5	7	12	24	238
25.4	257.3	19.5	38.0	178.2	536.2	686.3	1 222.4	13.1	3	2	22	239
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**24**
2.9	37.2	2.3	4.6	28.9	72.7	103.2	178.8	5.2	4	3	41	242
4.6	68.6	3.6	7.1	49.7	127.3	134.9	262.8	5.9	7	9	42	243
3.6	48.6	3.0	5.5	32.7	95.2	98.6	194.4	29.5	25	12	28	249
22.9	**343.1**	**18.2**	**35.0**	**236.0**	**685.9**	**528.3**	**1 214.3**	**26.6**	**2**	**3**	**22**	**25**
8.9	121.2	7.2	13.9	85.5	228.0	187.2	415.6	8.1	3	6	13	251
3.9	58.5	3.1	6.2	38.9	120.4	89.3	214.0	3.0	3	4	36	252
6.7	114.1	5.4	10.0	80.6	229.2	147.4	372.5	7.9	3	6	19	254
3.2	43.6	2.3	4.4	27.6	97.0	96.9	194.1	7.3	1	1	18	259

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
N.Y.	**New York**—Con.										
26	**Paper and allied products**	**40.2**	**794.9**	**31.0**	**63.2**	**554.9**	**1 687.9**	**2 314.2**	**3 968.2**	**146.0**	**499.9**
262	Paper mills, except building paper	7.1	190.8	5.5	12.2	143.9	469.3	674.3	1 138.6	53.5	111.0
264	Miscellaneous converted paper products	17.8	308.7	14.0	27.4	218.7	653.3	904.6	1 534.8	51.8	230.3
265	Paperboard containers and boxes	14.3	269.9	10.7	21.9	172.4	510.2	644.4	1 148.8	29.3	147.8
27	**Printing and publishing**	**166.8**	**3 630.7**	**74.1**	**136.6**	**1 386.9**	**11 454.4**	**6 016.1**	**17 447.2**	**396.5**	**1 435.0**
271	Newspapers	30.6	751.0	13.1	23.5	346.3	1 776.4	645.8	2 421.7	82.7	59.2
272	Periodicals	34.7	865.4	3.2	5.8	51.8	3 979.6	2 255.8	6 226.7	102.2	321.4
273	Books	27.4	602.1	6.8	13.5	104.6	2 686.2	1 304.9	3 969.5	62.6	632.9
274	Miscellaneous publishing	8.1	153.0	2.0	3.3	20.1	451.6	166.3	615.1	21.8	51.2
275	Commercial printing	44.3	858.4	32.2	60.0	584.0	1 681.5	1 294.5	2 987.6	68.6	256.8
276	Manifold business forms	3.0	57.9	2.2	4.1	40.3	131.1	97.2	227.6	(D)	24.3
278	Blankbooks and bookbinding	8.1	113.9	6.9	12.7	85.0	237.3	95.1	333.0	(D)	39.2
279	Printing trade services	10.0	219.2	7.2	13.1	150.5	488.8	136.4	623.9	52.2	43.9
28	**Chemicals and allied products**	**47.9**	**1 105.4**	**29.6**	**55.6**	**571.9**	**5 511.6**	**3 325.7**	**8 804.3**	**(D)**	**1 166.7**
281	Industrial inorganic chemicals	3.4	92.4	2.4	4.6	62.8	225.7	204.3	432.6	(D)	57.8
282	Plastics materials and synthetics	3.4	100.1	2.0	4.2	49.5	435.4	406.1	805.2	(D)	107.3
283	Drugs	16.1	380.4	9.4	17.4	183.9	2 515.1	791.9	3 289.3	104.4	455.2
284	Soaps, cleaners, and toilet goods	12.0	220.1	7.7	13.9	107.0	1 407.8	759.5	2 183.1	42.6	224.9
286	Industrial organic chemicals	5.1	130.4	3.0	5.7	70.4	399.7	502.9	912.7	74.8	136.8
289	Miscellaneous chemical products	5.1	122.0	3.4	6.6	67.4	380.8	455.5	830.9	20.7	109.2
30	**Rubber and miscellaneous plastics products**	**33.5**	**545.0**	**25.8**	**49.7**	**345.4**	**1 294.3**	**1 271.9**	**2 553.7**	**62.0**	**319.2**
307	Miscellaneous plastics products	29.6	466.2	22.9	43.8	292.4	1 084.2	1 044.2	2 118.8	51.6	273.8
31	**Leather and leather products**	**23.4**	**273.7**	**19.9**	**35.2**	**181.3**	**531.9**	**635.4**	**1 162.8**	**11.7**	**175.6**
311	Leather tanning and finishing	2.7	39.4	2.4	4.3	33.5	68.8	116.5	182.5	2.0	32.8
314	Footwear, except rubber	6.2	66.5	5.5	10.5	48.4	125.5	114.9	243.9	2.4	43.8
316	Luggage	3.5	45.9	2.9	5.2	25.2	90.9	72.2	163.0	2.0	24.5
317	Handbags and other personal leather goods	9.2	100.9	7.6	12.8	61.4	211.2	268.9	476.1	5.0	61.5
32	**Stone, clay, and glass products**	**24.8**	**532.0**	**19.7**	**39.2**	**365.3**	**1 295.8**	**1 068.2**	**2 384.3**	**84.2**	**390.2**
322	Glass and glassware, pressed or blown	3.4	85.4	2.9	6.1	68.1	187.7	170.0	351.5	17.1	62.7
323	Products of purchased glass	4.3	74.5	3.5	6.6	52.8	226.4	138.1	363.5	11.2	67.1
327	Concrete, gypsum, and plaster products	3.7	99.2	3.6	7.5	68.9	252.9	292.9	550.6	15.9	36.2
329	Miscellaneous nonmetallic mineral products	9.1	187.5	6.4	12.5	114.5	444.7	326.2	790.6	28.7	143.8
33	**Primary metal industries**	**34.2**	**818.0**	**24.8**	**46.5**	**560.4**	**1 572.8**	**3 766.6**	**5 486.8**	**151.8**	**957.3**
331	Blast furnace and basic steel products	9.8	261.2	6.9	12.5	180.8	420.5	940.9	1 449.5	28.6	279.9
332	Iron and steel foundries	3.0	59.7	2.2	4.1	41.6	88.4	64.9	153.6	5.6	26.1
335	Nonferrous rolling and drawing	11.5	259.6	8.4	16.3	179.9	633.5	1 733.9	2 363.8	83.2	497.2
336	Nonferrous foundries	4.3	96.4	3.5	6.4	69.3	148.2	154.4	300.6	15.3	30.4
34	**Fabricated metal products**	**73.2**	**1 414.1**	**54.6**	**106.1**	**929.5**	**2 874.0**	**2 390.0**	**5 242.7**	**136.0**	**1 007.5**
342	Cutlery, hand tools, and hardware	10.5	201.0	7.9	14.9	138.2	447.0	313.4	769.9	16.5	175.4
344	Fabricated structural metal products	21.1	425.9	14.2	27.6	242.9	739.7	746.0	1 491.5	21.6	276.1
345	Screw machine products, bolts, etc.	4.9	82.5	3.8	7.3	54.7	186.3	113.1	291.2	6.2	55.8
346	Metal forgings and stampings	11.5	256.2	9.1	17.8	187.4	492.2	439.0	934.4	41.4	117.9
347	Metal services, n.e.c.	6.0	89.1	4.9	9.7	62.0	155.9	85.8	243.9	3.6	18.0
348	Ordnance and accessories, n.e.c.	3.3	69.5	2.6	5.0	51.6	183.9	68.8	238.3	9.5	100.6
349	Miscellaneous fabricated metal products	12.1	210.5	9.2	18.1	136.4	482.4	341.8	806.7	16.6	190.0
35	**Machinery, except electrical**	**129.6**	**3 104.7**	**80.4**	**157.8**	**1 609.9**	**5 996.7**	**6 077.0**	**12 348.9**	**393.2**	**2 704.1**
351	Engines and turbines	8.8	257.3	4.9	9.9	114.3	512.4	513.6	1 128.1	47.6	510.4
353	Construction and related machinery	5.0	98.1	3.3	6.3	53.4	144.3	193.7	369.6	6.9	93.8
354	Metalworking machinery	15.1	319.1	10.4	19.8	197.6	525.0	282.8	837.4	16.9	269.3
355	Special industry machinery	12.4	273.2	7.0	14.2	133.2	522.5	379.4	916.0	19.7	234.6
356	General industrial machinery	19.6	436.4	11.1	21.0	219.2	932.6	640.9	1 586.6	37.5	447.1
357	Office and computing machines	31.6	840.0	15.3	28.9	266.8	1 327.6	2 703.5	4 035.4	168.3	808.4
358	Refrigeration and service machinery	14.9	386.2	11.4	22.6	276.9	1 059.7	892.7	2 024.7	30.0	173.4
359	Miscellaneous machinery, except electrical	20.9	469.8	16.1	33.3	334.7	903.8	405.2	1 315.2	64.6	138.8
36	**Electric and electronic equipment**	**162.4**	**3 803.1**	**87.8**	**171.2**	**1 509.2**	**7 984.6**	**5 274.8**	**13 498.7**	**657.5**	**3 128.8**
361	Electric distributing equipment	3.1	51.0	2.2	4.1	30.8	103.6	115.7	219.2	8.7	40.6
362	Electrical industrial apparatus	15.6	373.8	10.2	20.0	234.3	774.5	520.6	1 339.2	40.6	238.9
363	Household appliances	4.1	67.4	3.3	6.2	39.9	167.9	123.6	289.0	11.7	62.4
364	Electric lighting and wiring equipment	18.3	317.3	13.3	24.0	188.0	684.7	591.2	1 266.1	19.4	240.2
365	Radio and TV receiving equipment	3.0	54.8	1.8	3.4	21.6	181.6	120.5	303.6	2.4	42.4
366	Communication equipment	51.8	1 388.7	22.6	43.7	453.7	2 507.9	1 310.2	3 974.8	173.0	1 200.7
367	Electronic components and accessories	58.0	1 394.5	28.8	59.3	461.5	3 177.2	2 218.1	5 445.9	385.4	1 155.9
369	Miscellaneous electrical equipment and supplies	8.5	155.6	5.6	10.5	79.5	387.2	274.9	661.0	16.2	147.6
37	**Transportation equipment**	**55.4**	**1 584.1**	**35.0**	**72.8**	**904.1**	**3 134.6**	**3 282.0**	**6 233.2**	**174.4**	**2 100.1**
371	Motor vehicles and equipment	21.5	562.2	17.8	35.5	447.4	1 089.9	2 199.1	3 280.4	71.4	261.4
372	Aircraft and parts	27.8	873.1	13.1	29.3	372.5	1 775.1	918.9	2 518.7	84.2	1 762.9
373	Ship and boat building and repairing	3.0	71.9	2.5	5.2	54.1	162.6	94.0	255.8	(D)	34.9
38	**Instruments and related products**	**103.1**	**2 748.1**	**53.5**	**103.6**	**1 188.6**	**9 562.2**	**3 781.1**	**13 189.8**	**424.4**	**2 303.2**
382	Measuring and controlling devices	13.5	293.6	7.0	13.8	109.4	558.4	293.9	840.2	(D)	244.2
383	Optical instruments and lenses	5.4	107.9	1.9	3.7	36.6	239.9	112.2	368.0	10.3	74.6
384	Medical instruments and supplies	11.9	219.0	7.9	15.1	114.7	507.4	462.2	974.4	22.6	206.2
385	Ophthalmic goods	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
386	Photographic equipment and supplies	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982												
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column[1] —			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												N.Y.
41.2	**764.1**	**31.8**	**64.0**	**529.2**	**1 641.5**	**2 215.1**	**3 863.0**	**126.7**	**2**	**3**	**19**	**26**
7.7	187.3	5.7	12.5	139.7	415.0	682.6	1 096.3	49.5	2	3	8	262
17.6	286.4	13.9	27.4	196.9	681.6	826.0	1 513.7	42.6	4	7	51	264
14.8	268.8	11.3	22.4	176.4	494.0	632.2	1 128.3	20.1	3	5	23	265
168.0	**3 501.0**	**73.7**	**139.0**	**1 321.1**	**10 156.6**	**5 718.0**	**15 875.3**	**372.8**	**1**	**1**	**10**	**27**
31.2	712.0	13.6	24.3	328.0	1 573.8	622.9	2 196.3	64.1	1	1	4	271
34.8	853.4	2.9	5.5	40.7	3 268.8	2 225.4	5 499.4	84.9	2	2	9	272
26.3	533.5	6.1	12.8	98.9	2 437.5	1 179.2	3 622.3	81.4	1	1	9	273
9.6	174.2	2.0	3.1	20.4	432.3	173.3	605.0	14.9	1	1	10	274
44.6	844.2	32.9	62.7	566.6	1 644.7	1 197.6	2 839.0	90.5	3	4	18	275
2.8	51.7	2.0	3.8	35.4	117.1	87.9	204.8	(D)	1	2	(X)	276
8.3	118.2	6.9	12.9	86.9	249.5	103.1	350.2	(D)	4	4	(X)	278
9.7	204.7	6.9	13.2	110.2	405.7	116.6	519.5	18.9	7	14	67	279
48.7	**1 065.5**	**29.8**	**57.1**	**542.2**	**5 146.0**	**3 218.0**	**8 329.2**	**(D)**	**2**	**1**	**(X)**	**28**
3.5	91.2	2.5	4.7	61.3	273.3	205.1	479.6	(D)	1	1	(X)	281
3.5	89.8	2.0	4.2	39.2	308.7	345.7	660.2	(D)	1	4	(X)	282
16.7	380.3	9.7	18.4	185.0	2 237.5	785.8	2 978.2	79.1	2	1	6	283
11.7	214.3	7.6	14.2	104.9	1 408.2	714.5	2 126.0	57.7	3	1	1	284
5.5	132.5	3.3	6.4	71.3	411.5	500.2	907.7	134.6	2	2	6	286
4.6	98.8	3.0	5.6	54.2	340.0	421.2	763.0	24.0	7	8	17	289
32.7	**503.2**	**25.1**	**47.5**	**324.1**	**1 169.5**	**1 193.8**	**2 370.8**	**87.1**	**3**	**2**	**14**	**30**
29.1	437.8	22.2	42.0	276.1	998.6	975.0	1 978.9	77.6	3	2	17	307
24.3	**270.6**	**20.6**	**38.2**	**190.9**	**563.0**	**595.9**	**1 156.4**	**14.7**	**2**	**8**	**27**	**31**
2.7	39.2	2.3	4.1	31.0	65.2	112.3	175.2	5.2	3	5	11	311
7.4	73.6	6.5	11.8	56.1	151.4	136.0	284.5	3.1	5	8	13	314
3.6	40.2	3.0	5.3	27.0	82.7	66.2	149.7	2.4	7	7	77	316
8.9	96.7	7.3	14.2	63.5	230.6	219.7	452.5	3.3	4	17	54	317
26.5	**518.1**	**19.9**	**38.3**	**351.7**	**1 253.9**	**1 034.8**	**2 287.3**	**101.8**	**5**	**2**	**12**	**32**
3.5	80.5	3.0	6.1	64.5	203.3	163.3	368.4	14.3	1	1	1	322
4.1	67.8	3.3	6.2	47.0	202.3	137.4	338.6	20.9	2	2	7	323
5.0	100.0	3.6	7.2	66.1	237.3	287.0	523.9	19.7	30	5	51	327
9.4	184.1	6.5	12.0	110.5	412.4	302.3	717.6	38.4	6	5	22	329
37.9	**877.7**	**27.4**	**50.7**	**589.8**	**1 525.6**	**3 176.6**	**4 935.8**	**202.7**	**2**	**3**	**7**	**33**
11.5	324.6	7.7	13.6	217.3	362.2	750.5	1 214.4	45.0	3	6	30	331
4.0	73.8	3.1	5.5	52.0	105.1	75.1	188.6	15.1	9	9	52	332
12.1	246.5	8.8	16.4	159.0	547.7	1 465.3	2 138.7	90.9	3	6	5	335
4.7	93.9	3.8	7.3	69.3	146.7	142.2	290.7	23.9	6	2	7	336
76.5	**1 396.1**	**57.5**	**109.5**	**931.2**	**2 748.0**	**2 344.3**	**5 137.5**	**223.4**	**2**	**2**	**6**	**34**
11.1	198.2	8.2	15.4	130.3	415.2	309.2	730.6	21.7	2	2	8	342
21.6	420.4	15.1	29.3	255.5	767.5	784.9	1 583.4	31.7	3	5	15	344
4.9	81.8	3.8	7.4	53.9	173.0	105.2	282.6	8.4	2	3	23	345
12.0	252.4	9.5	18.4	186.0	464.3	399.7	865.1	83.3	3	5	14	346
6.6	87.9	5.4	10.5	63.1	170.6	87.9	258.2	8.9	22	11	45	347
3.6	67.8	2.9	5.0	50.6	131.2	73.6	206.3	4.8	2	15	1	348
12.8	214.4	9.7	18.6	139.3	464.5	343.8	806.3	25.3	2	1	15	349
137.6	**3 115.3**	**86.3**	**165.2**	**1 644.8**	**6 380.4**	**6 048.1**	**12 568.4**	**538.1**	**2**	**1**	**9**	**35**
11.0	297.9	6.5	12.8	143.7	670.5	608.7	1 293.0	73.6	1	2	3	351
6.3	118.6	3.9	7.8	63.2	201.4	212.5	422.9	11.7	3	3	16	353
17.5	356.5	12.0	22.6	224.2	607.8	306.5	926.1	41.8	2	2	8	354
12.6	263.1	8.0	14.8	154.7	596.5	357.2	961.0	40.3	5	4	10	355
23.9	500.6	14.0	25.8	261.7	1 051.0	781.1	1 837.0	57.2	2	2	7	356
31.2	785.7	15.4	29.1	250.4	1 215.0	2 458.7	3 721.1	215.6	1	2	5	357
14.7	366.8	11.1	21.5	258.4	1 168.9	868.9	2 045.1	31.0	3	1	2	358
19.1	400.4	14.6	29.4	275.6	795.5	397.1	1 229.2	57.2	5	4	50	359
160.8	**3 449.2**	**87.4**	**167.9**	**1 404.5**	**7 142.4**	**5 395.8**	**12 453.8**	**684.7**	**1**	**1**	**2**	**36**
2.6	41.1	1.8	3.4	22.5	91.6	82.8	174.8	3.2	2	15	12	361
15.5	349.2	10.8	20.5	222.8	778.4	470.6	1 279.3	68.6	1	1	4	362
4.3	67.7	3.4	6.5	45.9	156.1	138.6	298.1	11.0	2	2	14	363
18.7	313.8	13.0	24.0	187.3	675.7	531.3	1 228.0	34.9	1	3	6	364
3.3	55.9	2.0	3.9	23.0	179.5	124.2	306.5	4.8	2	5	17	365
51.1	1 245.4	22.1	42.5	403.1	2 396.9	1 123.7	3 375.4	157.7	2	2	3	366
57.1	1 235.8	28.7	57.4	428.0	2 533.1	2 679.7	5 201.1	385.2	1	1	3	367
8.1	140.3	5.3	9.8	72.0	331.1	245.0	590.7	19.3	1	2	19	369
57.4	**1 552.7**	**36.2**	**74.0**	**894.1**	**2 857.0**	**3 571.9**	**6 241.1**	**258.9**	**1**	**1**	**1**	**37**
21.7	550.4	17.7	33.6	432.6	756.8	2 570.4	3 332.0	175.7	1	1	1	371
29.2	858.2	14.2	32.1	380.0	1 816.7	840.4	2 463.3	69.7	1	1	1	372
3.1	63.0	2.6	5.1	47.4	135.1	91.8	226.6	(D)	12	19	(X)	373
112.0	**2 820.9**	**60.7**	**116.8**	**1 280.4**	**8 872.3**	**4 052.8**	**13 256.3**	**584.0**	**1**	**1**	**2**	**38**
13.8	275.5	7.2	13.7	107.5	541.2	272.1	814.7	(D)	4	3	(X)	382
4.5	88.6	1.9	3.9	33.4	163.1	102.2	230.4	8.1	1	1	7	383
12.2	211.3	8.2	15.9	113.1	529.0	462.1	982.0	29.1	1	4	5	384
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	385
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	386

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2 500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
N.Y.	**New York**—Con.										
39	**Miscellaneous manufacturing industries**	**57.6**	**805.4**	**45.1**	**78.7**	**492.1**	**2 034.2**	**2 337.7**	**4 363.4**	**53.5**	**887.8**
391	Jewelry, silverware, and plated ware	14.6	259.8	10.6	19.1	151.0	618.1	1 085.9	1 711.5	9.4	446.8
394	Toys and sporting goods	16.3	151.4	14.2	22.6	104.4	599.1	496.0	1 102.8	30.0	182.1
395	Pens, pencils, and office and art supplies	3.0	46.4	2.1	3.7	25.5	100.1	112.1	213.0	2.1	41.5
396	Costume jewelry and notions	4.9	65.1	3.6	6.5	36.5	135.5	149.8	284.5	2.2	42.5
399	Miscellaneous manufactures	17.2	259.0	13.4	24.5	159.6	531.6	463.5	974.7	8.0	144.8
—	**Auxiliaries**[2]	**125.5**	**4 453.6**	-	-	-	-	-	-	-	-
N.C.	**North Carolina**	**803.8**	**13 020.0**	**613.6**	**1 181.3**	**8 118.7**	**32 568.9**	**38 350.3**	**70 948.5**	**2 419.1**	**12 099.9**
20	**Food and kindred products**	**43.0**	**661.5**	**28.1**	**55.7**	**365.2**	**2 246.4**	**4 474.5**	**6 700.3**	**155.7**	**372.0**
201	Meat products	14.6	167.6	12.6	23.8	129.7	430.3	1 430.7	1 859.0	36.9	57.7
202	Dairy products	3.0	45.1	1.5	3.3	21.7	120.8	379.1	493.6	17.5	14.9
205	Bakery products	10.8	178.6	4.8	10.0	66.2	395.8	251.7	644.9	27.9	30.9
208	Beverages	5.5	126.8	2.5	5.1	60.4	662.5	740.5	1 403.9	32.3	50.1
209	Miscellaneous foods and kindred products	3.0	37.3	2.3	3.8	18.5	205.7	156.2	363.3	16.6	21.6
21	**Tobacco products**	**22.1**	**554.0**	**17.4**	**32.5**	**413.7**	**4 611.4**	**3 125.1**	**7 742.7**	**416.2**	**3 337.3**
211	Cigarettes	17.8	496.6	14.3	26.0	381.4	4 239.9	1 876.8	6 118.4	398.4	3 070.9
214	Tobacco stemming and redrying	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22	**Textile mill products**	**221.0**	**2 894.0**	**196.8**	**387.6**	**2 351.1**	**5 848.2**	**9 384.0**	**15 037.6**	**472.7**	**1 938.3**
221	Weaving mills, cotton	24.4	347.0	22.4	45.2	312.6	687.4	957.1	1 618.4	76.3	282.9
222	Weaving mills, synthetics	33.6	489.9	29.8	61.8	402.9	959.4	1 364.4	2 302.4	96.5	295.6
224	Narrow fabric mills	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
225	Knitting mills	82.8	977.6	73.4	137.3	758.1	2 053.9	2 654.4	4 612.8	78.9	653.8
226	Textile finishing, except wool	11.5	169.5	9.5	19.1	124.8	280.2	830.8	1 100.8	23.9	93.0
227	Floor covering mills	2.6	35.0	2.1	4.5	26.8	114.7	272.6	376.7	(D)	57.9
228	Yarn and thread mills	55.1	719.5	50.1	101.1	604.4	1 410.7	2 651.2	4 033.2	170.8	426.7
229	Miscellaneous textile goods	6.5	96.3	5.5	10.3	71.1	220.9	479.4	698.9	16.7	93.3
23	**Apparel and other textile products**	**74.3**	**763.8**	**65.4**	**120.5**	**591.6**	**1 519.1**	**1 636.1**	**3 123.9**	**28.5**	**468.2**
232	Men's and boys' furnishings	20.1	193.3	17.6	30.8	147.9	370.4	347.4	716.9	8.8	116.6
233	Women's and misses' outerwear	15.1	178.8	14.7	28.2	148.3	317.7	243.0	554.9	4.5	67.4
234	Women's and children's undergarments	10.3	97.4	8.8	16.5	77.1	237.2	203.8	434.7	1.9	71.4
236	Children's outerwear	7.2	66.5	6.3	11.8	49.6	81.1	31.2	121.8	.5	7.5
238	Miscellaneous apparel and accessories	3.1	23.2	2.6	4.0	17.2	41.3	58.3	97.0	(D)	19.5
239	Miscellaneous fabricated textile products	16.3	185.7	13.6	26.2	137.3	441.6	735.4	1 147.1	12.1	179.9
24	**Lumber and wood products**	**35.2**	**446.0**	**30.1**	**56.4**	**332.1**	**817.0**	**1 611.5**	**2 428.4**	**59.5**	**267.9**
241	Logging camps and logging contractors	4.0	38.9	3.4	5.2	31.8	60.8	225.6	288.4	(D)	30.1
242	Sawmills and planing mills	12.1	144.7	10.5	19.8	108.8	218.8	557.6	786.5	32.3	85.6
243	Millwork, plywood, and structural members	8.2	107.5	7.0	13.5	79.5	213.7	316.7	525.7	7.6	67.8
245	Wood buildings and mobile homes	4.0	63.7	3.4	6.2	46.8	113.9	267.0	379.5	4.6	23.1
249	Miscellaneous wood products	4.9	69.9	4.1	8.2	49.9	171.9	200.6	366.0	9.0	52.1
25	**Furniture and fixtures**	**74.9**	**957.8**	**65.8**	**124.1**	**759.8**	**1 898.1**	**1 715.8**	**3 582.3**	**74.6**	**692.0**
251	Household furniture	66.1	838.9	58.7	110.4	676.2	1 638.7	1 492.3	3 100.5	66.6	597.6
252	Office furniture	5.5	74.1	4.7	9.0	53.6	174.3	130.5	303.7	5.8	61.2
26	**Paper and allied products**	**19.5**	**440.7**	**15.2**	**30.9**	**318.9**	**1 051.1**	**1 453.7**	**2 501.9**	**84.9**	**318.6**
262	Paper mills, except building paper	6.4	180.9	4.9	10.9	135.0	413.1	471.4	882.8	(D)	115.3
264	Miscellaneous converted paper products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
265	Paperboard containers and boxes	7.1	125.5	5.6	11.0	84.3	261.8	416.1	674.5	(D)	88.1
27	**Printing and publishing**	**21.2**	**317.5**	**13.7**	**25.0**	**166.5**	**743.3**	**411.0**	**1 142.3**	**52.3**	**81.2**
271	Newspapers	8.7	120.6	4.3	6.7	42.9	313.6	92.2	405.9	13.1	12.3
275	Commercial printing	7.7	124.9	6.1	12.0	82.1	257.7	221.7	469.5	34.7	42.8
28	**Chemicals and allied products**	**34.7**	**722.3**	**23.8**	**45.4**	**413.4**	**3 552.8**	**3 042.2**	**6 547.7**	**194.8**	**948.7**
281	Industrial inorganic chemicals	2.8	74.2	1.9	3.8	42.1	407.0	279.8	671.1	(D)	147.9
282	Plastics materials and synthetics	11.4	259.1	8.6	16.4	168.4	931.3	1 093.5	2 010.3	55.9	217.4
283	Drugs	8.4	152.5	6.6	12.0	100.7	1 036.2	392.0	1 409.5	56.8	187.8
284	Soaps, cleaners, and toilet goods	3.8	66.2	2.2	4.3	26.8	442.9	289.9	727.3	33.3	97.3
30	**Rubber and miscellaneous plastics products**	**26.5**	**472.4**	**21.1**	**41.3**	**341.3**	**1 038.1**	**1 344.6**	**2 670.6**	**60.6**	**117.9**
301	Tires and inner tubes	6.3	168.4	5.0	9.5	126.2	476.1	417.2	910.4	13.7	73.6
304	Rubber and plastics hose and belting	2.7	51.4	2.0	3.7	37.3	168.2	80.9	244.4	6.5	38.3
307	Miscellaneous plastics products	13.5	201.6	10.7	21.8	138.9	288.5	734.6	1 300.4	36.0	-14.7
31	**Leather and leather products**	**5.1**	**57.0**	**4.3**	**8.3**	**41.8**	**133.9**	**142.8**	**271.5**	**3.5**	**44.8**
314	Footwear, except rubber	4.2	43.7	3.5	6.7	32.0	91.7	89.2	178.6	1.5	35.9
32	**Stone, clay, and glass products**	**17.1**	**287.7**	**14.3**	**28.2**	**216.7**	**731.1**	**619.9**	**1 342.4**	**29.4**	**175.0**
322	Glass and glassware, pressed or blown	4.1	89.2	3.5	7.0	72.0	244.8	177.3	425.4	12.0	66.0
323	Products of purchased glass	2.9	39.3	2.4	4.5	28.3	86.5	114.0	199.7	2.2	23.4
327	Concrete, gypsum, and plaster products	4.4	65.3	3.8	7.8	50.5	196.6	151.3	348.3	8.5	17.9
33	**Primary metal industries**	**8.0**	**151.2**	**6.0**	**11.4**	**105.5**	**437.0**	**719.3**	**1 170.2**	**28.9**	**155.2**
335	Nonferrous rolling and drawing	4.9	90.3	3.5	7.1	60.4	272.7	483.2	756.7	13.5	109.6

See footnotes at end of table

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1] –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												N.Y.
56.7	**848.0**	**42.8**	**77.3**	**520.8**	**1 969.2**	**2 318.8**	**4 334.6**	**77.6**	**2**	**2**	**12**	**39**
15.3	267.7	11.0	19.7	157.8	582.3	1 085.2	1 710.4	17.8	3	2	6	391
13.1	180.3	10.1	18.4	109.0	616.4	495.3	1 108.9	28.3	2	2	21	394
3.7	51.3	2.7	5.0	32.0	101.6	127.6	231.0	6.7	19	10	7	395
6.1	73.0	4.8	8.6	46.1	143.7	158.2	307.2	5.2	16	16	46	396
16.9	252.9	13.0	23.3	160.8	483.7	427.0	912.3	17.0	3	5	17	399
133.2	**4 248.6**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
798.6	**11 717.1**	**604.9**	**1 116.0**	**7 297.3**	**28 492.2**	**35 634.0**	**64 176.2**	**2 583.8**	**1**	**1**	**3**	**N.C.**
43.9	**632.2**	**29.2**	**55.2**	**354.6**	**1 930.1**	**4 401.7**	**6 318.7**	**253.6**	**2**	**2**	**15**	**20**
15.3	169.8	13.3	24.4	132.7	327.1	1 479.2	1 806.6	39.6	2	2	3	201
3.1	44.4	1.5	3.1	19.6	131.0	393.2	524.7	7.5	4	12	88	202
10.3	161.3	4.8	9.5	60.6	373.0	243.7	616.2	20.8	2	1	10	205
5.8	125.0	2.6	5.0	58.9	545.0	749.0	1 290.5	25.6	7	4	33	208
3.4	36.4	2.5	4.2	22.3	187.4	178.5	364.0	26.2	2	7	69	209
23.1	**516.4**	**18.9**	**36.1**	**393.0**	**4 234.6**	**3 482.6**	**7 707.0**	**231.6**	**1**	**1**	**1**	**21**
18.6	462.1	15.5	29.6	360.2	4 079.3	1 918.7	5 979.7	217.7	1	1	1	211
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	214
218.8	**2 573.3**	**192.6**	**356.3**	**2 053.8**	**4 961.6**	**8 297.1**	**13 236.3**	**450.7**	**2**	**1**	**5**	**22**
26.6	325.6	23.7	42.5	279.4	539.1	831.2	1 384.6	105.5	1	1	1	221
34.6	442.4	30.4	57.4	353.9	836.8	1 214.4	2 077.0	72.4	1	1	12	222
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	224
80.5	879.6	69.9	127.0	675.6	1 794.1	2 520.0	4 344.8	99.1	3	2	5	225
10.9	150.1	8.9	17.4	107.0	259.3	645.6	908.0	23.5	1	2	2	226
2.5	26.5	2.0	3.6	19.8	85.0	197.0	283.6	(D)	4	4	(X)	227
54.4	625.5	49.4	92.4	523.2	1 151.7	2 303.0	3 470.3	121.2	3	2	10	228
6.4	88.3	5.4	10.5	66.3	217.6	390.4	607.3	17.9	2	1	3	229
77.5	**697.3**	**66.8**	**117.0**	**534.5**	**1 384.2**	**1 560.4**	**2 955.1**	**34.2**	**5**	**3**	**18**	**23**
20.0	178.4	17.2	29.2	134.5	354.6	363.9	711.4	7.0	3	5	9	232
19.4	162.2	16.8	29.2	126.2	298.0	282.2	588.7	6.8	21	10	18	233
9.9	89.6	8.5	15.5	70.1	196.0	174.5	369.4	3.2	1	1	6	234
7.5	60.8	6.8	12.0	50.6	106.1	63.7	168.1	2.0	3	16	32	236
3.5	26.9	3.1	5.1	20.0	42.4	55.4	93.8	(D)	1	1	(X)	238
15.2	162.0	12.6	22.9	119.6	359.1	605.3	971.7	12.0	2	5	41	239
32.0	**382.0**	**27.0**	**50.2**	**285.8**	**738.5**	**1 301.4**	**2 040.5**	**58.0**	**3**	**4**	**17**	**24**
4.1	38.9	3.5	5.4	33.6	91.0	194.4	284.8	(D)	3	22	(X)	241
10.7	129.2	9.2	17.5	98.4	215.3	444.1	665.6	20.0	7	11	28	242
7.1	86.3	6.0	11.6	63.4	164.6	250.3	413.3	9.9	4	4	10	243
3.1	43.0	2.5	4.6	29.5	84.2	190.1	275.5	5.6	6	11	20	245
5.0	64.6	4.1	7.6	45.4	144.3	178.4	318.6	10.0	3	3	21	249
76.3	**869.6**	**66.2**	**115.8**	**667.2**	**1 728.7**	**1 591.7**	**3 336.9**	**79.3**	**2**	**4**	**25**	**25**
67.4	750.4	59.0	102.1	584.2	1 463.1	1 370.7	2 847.5	67.5	2	4	27	251
5.7	72.8	4.8	8.9	51.8	178.7	126.1	304.0	9.0	1	2	21	252
20.3	**423.6**	**15.9**	**32.4**	**299.8**	**1 050.9**	**1 487.1**	**2 524.9**	**178.0**	**3**	**2**	**6**	**26**
6.5	169.6	5.0	11.2	123.9	414.5	464.2	872.7	(D)	1	1	(X)	262
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	264
6.8	114.2	5.3	10.2	74.0	252.3	390.3	642.2	(D)	2	3	(X)	265
20.7	**295.3**	**12.4**	**23.0**	**157.9**	**662.5**	**379.4**	**1 043.0**	**57.6**	**3**	**6**	**37**	**27**
8.2	114.8	3.3	5.9	41.7	261.3	94.7	356.0	31.9	4	4	18	271
7.7	112.8	5.9	10.9	76.2	237.7	189.0	426.0	15.5	6	15	55	275
35.4	**704.5**	**23.9**	**45.7**	**396.1**	**2 598.6**	**3 069.7**	**5 717.4**	**213.2**	**1**	**2**	**3**	**28**
3.0	85.9	1.8	3.6	38.7	292.1	326.1	612.4	(D)	1	1	(X)	281
12.2	261.5	9.0	16.7	169.4	653.5	1 092.8	1 763.6	53.9	1	1	2	282
8.3	136.5	6.5	12.5	90.2	883.1	336.3	1 246.3	69.3	1	1	4	283
3.2	55.1	1.9	3.5	22.4	302.3	238.8	541.7	26.6	2	3	12	284
26.8	**438.8**	**21.3**	**39.3**	**313.5**	**1 141.8**	**1 195.1**	**2 340.2**	**90.9**	**3**	**1**	**4**	**30**
6.3	148.0	4.8	9.3	109.5	440.8	416.3	853.2	12.7	1	1	1	301
2.7	50.2	2.0	3.7	35.2	113.9	70.3	189.7	7.1	1	1	1	304
13.9	193.3	11.0	20.4	132.9	489.7	607.7	1 099.7	65.3	5	4	7	307
5.1	**57.6**	**4.5**	**8.5**	**42.6**	**118.9**	**131.4**	**250.6**	**2.8**	**2**	**9**	**32**	**31**
4.2	45.3	3.7	7.0	33.8	95.7	94.1	189.7	2.3	1	2	6	314
15.9	**252.4**	**12.3**	**23.2**	**175.7**	**565.4**	**559.6**	**1 131.1**	**49.6**	**5**	**8**	**14**	**32**
4.5	82.7	3.7	6.7	64.0	219.9	163.0	380.9	29.9	1	1	1	322
1.8	24.6	1.4	2.6	16.2	60.9	74.6	136.2	1.9	2	2	20	323
4.2	59.4	3.0	5.8	36.5	123.7	162.0	286.0	8.0	18	29	40	327
7.9	**138.2**	**5.9**	**11.4**	**92.5**	**372.4**	**620.2**	**997.2**	**53.3**	**2**	**2**	**28**	**33**
4.8	83.5	3.5	6.8	53.2	233.3	475.5	716.4	34.8	1	2	3	335

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
N.C.	**North Carolina**–Con.										
34	**Fabricated metal products**	**28.4**	**497.3**	**20.8**	**40.0**	**323.3**	**1 224.6**	**1 480.5**	**2 667.2**	**58.8**	**497.3**
342	Cutlery, hand tools, and hardware	4.8	76.6	3.7	7.5	54.2	181.9	138.7	319.2	14.7	76.4
344	Fabricated structural metal products	11.1	192.7	7.4	14.6	112.1	462.4	551.0	976.0	14.0	206.1
349	Miscellaneous fabricated metal products	5.8	103.7	4.4	7.9	68.4	274.3	303.1	580.4	18.1	105.4
35	**Machinery, except electrical**	**47.5**	**976.1**	**29.7**	**56.6**	**466.2**	**2 303.4**	**2 699.8**	**5 172.2**	**229.7**	**968.3**
351	Engines and turbines	3.0	72.4	2.1	4.0	40.8	267.6	134.1	413.9	81.1	107.6
353	Construction and related machinery	2.9	55.5	1.9	3.7	30.2	94.5	140.2	236.8	4.7	76.7
354	Metalworking machinery	5.7	100.5	4.2	7.8	63.8	309.6	250.1	554.8	14.2	97.1
355	Special industry machinery	6.4	117.3	4.4	8.5	64.5	231.3	240.9	484.7	8.6	112.2
356	General industrial machinery	6.3	116.9	4.1	8.0	61.7	225.5	276.2	523.1	(D)	133.5
357	Office and computing machines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
358	Refrigeration and service machinery	4.0	77.2	2.7	4.6	41.9	144.0	148.9	302.1	9.8	68.8
359	Miscellaneous machinery, except electrical	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36	**Electric and electronic equipment**	**52.6**	**1 029.6**	**36.1**	**69.2**	**544.9**	**2 833.4**	**2 964.4**	**5 738.6**	**324.7**	**1 168.4**
361	Electric distributing equipment	4.3	73.4	3.2	6.5	46.7	207.3	167.6	369.9	(D)	85.5
362	Electrical industrial apparatus	7.6	142.0	5.2	10.0	78.5	396.7	267.5	671.7	38.4	124.5
363	Household appliances	5.5	72.4	4.7	8.6	57.4	230.3	208.1	431.7	12.0	57.2
364	Electric lighting and wiring equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
366	Communication equipment	12.9	294.8	7.7	14.8	137.8	892.3	913.9	1 743.9	110.0	374.0
367	Electronic components and accessories	12.8	290.0	7.4	14.4	111.4	661.8	981.3	1 650.2	(D)	420.5
369	Miscellaneous electrical equipment and supplies	4.0	71.0	3.2	6.1	50.8	242.8	290.5	536.8	18.6	56.3
37	**Transportation equipment**	**15.9**	**283.1**	**12.4**	**22.9**	**193.6**	**738.5**	**858.9**	**1 577.8**	**97.6**	**286.1**
371	Motor vehicles and equipment	12.2	215.2	9.6	17.5	155.1	603.7	716.4	1 302.3	92.6	218.6
38	**Instruments and related products**	**9.9**	**194.0**	**6.8**	**13.3**	**101.3**	**582.9**	**336.3**	**925.0**	**32.1**	**145.8**
[illegible]	Measuring and controlling devices	3.1	62.2	1.8	3.5	23.3	151.7	51.5	195.6	5.0	54.2
384	Medical instruments and supplies	3.6	63.9	2.8	5.8	42.7	174.9	125.7	311.0	12.0	57.5
39	**Miscellaneous manufacturing industries**	**7.3**	**111.4**	**5.5**	**11.2**	**64.8**	**225.4**	**218.3**	**457.8**	**13.1**	**103.7**
399	Miscellaneous manufactures	4.2	68.3	3.0	6.0	37.7	124.2	130.7	272.9	7.9	68.8
—	**Auxiliaries**[2]	**39.1**	**1 093.4**	-	-	-	-	-	-	-	-
N. Dak.	**North Dakota**	**14.0**	**253.1**	**9.0**	**17.7**	**142.1**	**675.8**	**1 661.7**	**2 372.6**	**57.4**	**313.8**
20	**Food and kindred products**	**3.8**	**70.3**	**2.5**	**5.2**	**41.5**	**199.5**	**609.2**	**824.9**	**30.6**	**90.0**
35	**Machinery, except electrical**	**3.1**	**65.6**	**1.8**	**3.5**	**32.7**	**157.3**	**175.0**	**337.5**	**5.6**	**78.8**
Ohio	**Ohio**	**1 078.3**	**25 844.3**	**689.3**	**1 362.6**	**14 689.2**	**54 801.6**	**70 182.6**	**124 724.8**	**3 132.2**	**17 534.9**
20	**Food and kindred products**	**55.8**	**1 167.9**	**36.5**	**72.7**	**703.1**	**4 198.6**	**7 313.5**	**11 491.3**	**217.5**	**812.2**
201	Meat products	8.9	181.1	6.5	13.6	126.0	315.7	1 640.3	1 955.9	23.7	48.6
202	Dairy products	7.1	141.7	4.2	7.5	69.5	488.7	1 318.8	1 814.1	36.8	66.0
203	Preserved fruits and vegetables	9.3	181.7	7.2	15.0	141.5	698.5	982.6	1 679.9	38.4	282.7
204	Grain mill products	4.1	102.8	3.0	6.4	71.8	654.5	821.6	1 471.6	35.9	97.0
205	Bakery products	10.0	202.5	6.4	11.9	117.2	584.5	400.6	983.9	24.5	33.7
208	Beverages	9.2	215.8	4.4	8.9	98.5	881.3	934.6	1 811.6	37.3	120.2
209	Miscellaneous foods and kindred products	3.7	65.4	2.4	4.7	32.6	282.8	328.9	621.4	8.4	48.2
22	**Textile mill products**	**5.0**	**86.1**	**3.7**	**7.6**	**52.1**	**172.3**	**198.8**	**370.0**	**(D)**	**72.0**
23	**Apparel and other textile products**	**15.2**	**212.8**	**11.7**	**21.8**	**142.9**	**496.9**	**562.9**	**1 042.7**	**6.4**	**244.3**
231	Men's and boys' suits and coats	2.6	31.3	2.0	3.1	24.9	133.9	142.0	253.4	.5	70.4
239	Miscellaneous fabricated textile products	5.7	94.9	4.5	8.8	67.3	205.8	233.7	439.4	4.6	121.3
24	**Lumber and wood products**	**10.9**	**167.4**	**8.6**	**18.1**	**121.8**	**366.5**	**502.6**	**861.3**	**29.1**	**140.8**
243	Millwork, plywood, and structural members	4.7	74.2	3.6	7.5	54.2	143.3	186.5	327.3	15.4	65.8
25	**Furniture and fixtures**	**12.7**	**231.9**	**9.8**	**19.1**	**155.0**	**492.7**	**460.2**	**939.3**	**19.3**	**158.7**
251	Household furniture	6.0	97.5	5.0	9.4	71.0	214.9	268.3	470.1	11.3	70.9
254	Partitions and fixtures	3.5	66.1	2.6	5.2	43.9	168.8	100.5	269.1	3.0	37.7
26	**Paper and allied products**	**30.6**	**686.5**	**23.3**	**48.1**	**484.7**	**1 423.4**	**2 108.2**	**3 529.8**	**91.5**	**477.2**
262	Paper mills, except building paper	7.2	192.8	5.8	12.2	152.5	386.9	588.3	985.6	47.2	137.8
264	Miscellaneous converted paper products	9.2	186.0	6.6	13.4	115.9	412.2	541.3	945.8	14.7	155.8
265	Paperboard containers and boxes	11.8	244.8	9.0	18.2	167.0	459.8	798.4	1 253.5	25.5	163.2
27	**Printing and publishing**	**61.6**	**1 161.1**	**35.9**	**66.6**	**623.0**	**2 661.3**	**1 446.7**	**4 118.6**	**105.3**	**386.8**
271	Newspapers	17.6	307.1	6.6	11.2	111.7	723.7	256.2	982.1	29.6	33.7
272	Periodicals	2.7	51.0	.5	1.1	6.5	178.6	87.2	265.1	1.5	18.6
273	Books	5.8	127.7	3.5	6.9	73.3	359.2	138.2	501.9	18.1	73.5
275	Commercial printing	24.0	460.7	17.1	32.4	290.9	880.0	620.6	1 491.0	31.0	148.0
276	Manifold business forms	3.9	77.3	2.9	5.7	54.9	224.3	195.4	425.8	12.9	52.5
28	**Chemicals and allied products**	**43.4**	**1 127.8**	**24.6**	**50.3**	**576.3**	**4 630.4**	**5 179.7**	**9 851.4**	**406.8**	**1 228.8**
281	Industrial inorganic chemicals	8.7	239.0	4.5	9.2	119.5	674.0	617.0	1 287.1	53.6	130.0
282	Plastics materials and synthetics	4.2	124.0	2.8	5.5	76.5	414.2	968.5	1 385.8	28.5	218.5
283	Drugs	2.8	88.7	1.3	2.6	19.3	246.3	117.4	375.8	15.9	47.9
284	Soaps, cleaners, and toilet goods	6.9	165.5	4.5	9.7	101.9	1 590.5	992.5	2 596.9	51.9	215.0
285	Paints and allied products	5.4	133.5	2.6	5.1	[illegible]	540.0	605.6	1 141.5	25.8	144.0
286	Industrial organic chemicals	6.1	173.3	4.0	8.4	106.1	486.9	929.5	1 436.2	172.3	237.7
289	Miscellaneous chemical products	7.2	163.5	4.1	8.0	80.7	474.2	606.8	1 083.5	49.4	134.9
29	**Petroleum and coal products**	**5.3**	**150.9**	**3.3**	**6.5**	**94.1**	**1 201.6**	**6 320.8**	**7 380.3**	**54.4**	**339.4**

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												N.C.
27.7	**463.8**	**20.6**	**39.2**	**303.8**	**1 094.5**	**1 358.1**	**2 470.3**	**88.6**	**2**	**4**	**7**	**34**
4.8	68.9	3.7	7.0	46.9	180.5	120.2	299.4	17.2	9	14	8	342
10.4	172.2	7.5	14.7	108.0	361.2	491.1	859.7	17.2	2	8	16	344
5.9	103.2	4.4	8.0	66.6	264.9	329.8	599.0	23.2	3	4	14	349
43.9	**831.2**	**26.8**	**49.4**	**376.6**	**2 042.1**	**2 411.5**	**4 442.1**	**281.7**	**4**	**4**	**14**	**35**
2.9	65.9	1.9	3.4	35.0	294.7	137.8	430.4	162.9	1	1	1	351
2.7	43.6	1.7	2.8	23.8	92.3	108.6	208.8	7.9	5	7	42	353
5.6	89.7	4.0	6.5	54.9	231.8	225.2	479.1	27.7	2	2	25	354
6.9	109.4	4.6	8.6	61.8	276.8	183.2	455.3	11.6	4	8	16	355
6.7	110.9	4.4	8.4	59.0	254.0	248.4	506.9	(D)	3	7	(X)	356
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	357
4.0	73.1	2.7	5.2	39.8	155.1	132.5	292.1	10.9	1	2	25	358
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	359
55.9	**1 002.2**	**36.6**	**68.2**	**524.8**	**2 547.3**	**2 626.5**	**5 061.2**	**341.6**	**1**	**1**	**8**	**36**
4.4	75.3	3.2	6.0	45.3	227.5	171.4	397.5	(D)	1	2	(X)	361
7.5	131.2	5.1	9.5	74.3	366.4	259.8	632.7	48.7	1	1	1	362
5.6	65.4	4.8	8.1	51.4	206.9	192.1	397.6	10.6	1	1	1	363
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	364
16.3	318.2	8.6	16.1	147.7	635.8	697.3	1 343.8	60.5	3	3	16	366
12.0	254.9	6.9	13.2	94.2	679.4	886.0	1 417.1	(D)	2	2	(X)	367
4.2	72.1	3.4	6.7	54.2	249.1	250.4	499.6	41.7	1	1	1	369
15.0	**243.7**	**11.7**	**21.8**	**169.2**	**594.0**	**703.8**	**1 292.7**	**84.5**	**2**	**3**	**2**	**37**
11.3	178.8	8.8	16.2	126.5	464.1	570.5	1 048.0	68.1	1	3	2	371
9.6	**173.4**	**6.5**	**12.1**	**90.7**	**510.5**	**292.0**	**806.4**	**21.3**	**3**	**4**	**2**	**38**
3.3	58.8	2.0	3.5	27.7	122.6	41.7	163.5	5.4	1	1	1	382
3.3	53.7	2.5	4.8	30.8	134.6	106.7	235.7	3.8	5	3	5	384
7.2	**96.8**	**5.4**	**10.7**	**59.2**	**187.1**	**178.0**	**377.5**	**12.1**	**4**	**8**	**7**	**39**
4.2	58.6	3.0	5.7	33.5	105.0	104.9	218.1	6.0	4	3	7	399
35.2	**916.7**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
14.8	**245.6**	**9.7**	**18.0**	**141.2**	**652.1**	**1 820.5**	**2 465.0**	**101.1**	**1**	**3**	**26**	**N. Dak.**
4.1	**70.3**	**2.8**	**5.5**	**41.0**	**227.8**	**649.2**	**870.2**	**72.3**	**2**	**7**	**47**	**20**
3.3	**63.2**	**2.0**	**3.5**	**29.8**	**140.5**	**176.9**	**321.4**	**11.6**	**2**	**3**	**32**	**35**
1 102.0	**24 740.1**	**694.9**	**1 326.3**	**13 816.3**	**49 840.9**	**61 943.9**	**112 277.6**	**4 216.3**	**1**	**1**	**2**	**Ohio**
57.3	**1 114.8**	**37.7**	**74.8**	**679.5**	**4 177.9**	**7 040.5**	**11 221.4**	**364.7**	**1**	**2**	**5**	**20**
10.3	198.2	7.5	15.0	137.4	393.0	1 529.8	1 922.0	13.6	5	21	13	201
6.9	136.5	4.0	8.2	72.4	469.5	1 308.8	1 776.5	22.8	3	4	20	202
9.2	155.3	7.4	14.7	120.7	649.2	943.0	1 590.6	27.5	1	3	4	203
4.1	94.6	3.0	6.2	66.1	621.6	815.4	1 440.7	53.5	1	2	3	204
9.8	190.3	6.3	12.0	111.4	562.0	366.0	926.3	19.0	3	2	17	205
9.3	204.2	4.4	8.7	93.8	864.4	887.6	1 746.9	203.7	1	2	8	208
4.2	68.3	2.8	5.3	36.1	316.8	381.7	699.4	11.4	3	2	8	209
4.9	**78.2**	**3.6**	**7.1**	**45.1**	**165.1**	**176.0**	**343.6**	**(D)**	**4**	**2**	**(X)**	**22**
14.9	**195.5**	**11.5**	**20.6**	**126.0**	**467.0**	**531.6**	**1 001.5**	**5.4**	**3**	**2**	**16**	**23**
2.9	35.4	2.3	3.9	26.0	119.2	133.3	247.5	.2	11	5	55	231
5.3	80.3	4.2	7.6	56.1	176.6	193.8	371.7	3.1	3	3	22	239
11.7	**162.3**	**9.4**	**17.9**	**115.6**	**336.2**	**439.6**	**776.2**	**17.3**	**11**	**5**	**43**	**24**
4.0	61.6	3.2	6.1	44.2	117.0	153.7	271.5	4.1	5	5	73	243
13.0	**220.8**	**9.8**	**19.0**	**146.6**	**447.8**	**389.4**	**841.4**	**15.5**	**2**	**2**	**10**	**25**
5.8	82.6	4.7	8.8	59.6	178.8	192.2	375.0	8.3	3	3	15	251
3.9	73.2	2.9	5.6	50.3	158.2	111.6	273.0	3.8	4	3	5	254
31.1	**655.5**	**23.5**	**48.0**	**450.8**	**1 351.2**	**1 972.4**	**3 309.0**	**123.8**	**1**	**1**	**6**	**26**
7.0	182.0	5.7	12.3	134.8	376.2	522.1	883.8	24.[illegible]	1	2	10	262
9.9	187.1	7.0	14.1	115.4	385.5	525.7	913.6	21.4	1	1	20	264
11.7	227.0	8.8	17.3	154.4	437.2	749.5	1 165.0	30.2	2	2	14	265
62.3	**1 126.4**	**36.3**	**69.1**	**617.5**	**2 495.0**	**1 391.6**	**3 890.0**	**111.3**	**2**	**2**	**11**	**27**
18.4	306.5	7.3	13.3	122.9	653.1	249.5	902.6	23.3	3	2	23	271
3.1	56.4	.7	1.4	9.6	189.9	94.8	285.0	6.8	3	5	33	272
6.1	125.7	3.7	7.2	72.1	357.2	140.4	494.4	21.7	1	1	1	273
23.5	434.9	16.6	31.8	275.1	835.4	594.1	1 432.2	45.3	3	3	11	275
4.5	80.1	3.4	6.5	57.2	199.9	181.3	377.8	6.2	1	4	32	276
43.7	**1 034.2**	**24.3**	**48.5**	**521.2**	**4 342.7**	**4 591.6**	**8 984.5**	**490.7**	**2**	**1**	**3**	**28**
8.8	226.0	5.0	9.8	120.9	642.2	580.5	1 229.0	77.1	5	2	2	281
4.3	109.5	2.7	5.4	62.4	400.6	818.1	1 221.2	162.0	2	4	5	282
3.4	77.7	1.2	2.4	18.5	286.7	91.9	366.1	9.1	2	2	8	283
7.1	164.8	4.7	9.3	101.5	1 664.4	796.3	2 470.1	53.3	1	2	21	284
5.0	116.4	2.3	4.7	45.8	374.9	527.6	904.3	15.5	3	5	7	285
5.3	128.8	3.3	6.7	75.6	344.3	821.5	1 180.8	76.5	3	2	2	286
7.7	165.6	4.1	8.4	78.2	415.3	598.1	1 019.1	49.0	4	4	5	289
5.7	**148.9**	**3.7**	**7.4**	**93.2**	**1 072.0**	**6 274.6**	**7 363.3**	**73.8**	**5**	**6**	**15**	**29**

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2.500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983 All employees Number (1,000)	 All employees Payroll (million dollars)	 Production workers Number (1,000)	 Production workers Hours (millions)	 Production workers Wages (million dollars)	 Value added by manufacture (million dollars)	 Cost of materials (million dollars)	 Value of shipments (million dollars)	 New capital expenditures (million dollars)	 End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Ohio	**Ohio** – Con										
30	**Rubber and miscellaneous plastics products**	**65.8**	**1 302.7**	**50.2**	**97.7**	**882.9**	**2 860.1**	**3 043.8**	**5 872.3**	**152.6**	**895.7**
301	Tires and inner tubes	2.6	72.1	1.8	3.6	46.9	133.7	226.0	386.1	10.6	55.8
304	Rubber and plastics hose and belting	4.0	94.1	2.7	3.8	54.9	165.4	186.9	360.3	12.0	74.0
306	Fabricated rubber products, n.e.c.	18.2	383.6	13.6	27.4	258.3	778.7	689.9	1 457.1	31.2	147.7
307	Miscellaneous plastics products	40.5	748.5	31.9	62.6	519.3	1 757.0	1 906.0	3 615.0	97.6	404.7
31	**Leather and leather products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
314	Footwear, except rubber	2.8	33.5	2.5	4.9	25.7	93.3	52.0	144.7	2.7	12.8
32	**Stone, clay, and glass products**	**42.4**	**905.8**	**33.2**	**65.9**	**664.8**	**2 078.3**	**1 569.4**	**3 610.7**	**124.8**	**594.3**
322	Glass and glassware, pressed or blown	10.4	237.7	8.4	16.2	183.0	510.9	326.6	835.5	61.4	171.9
323	Products of purchased glass	3.1	58.8	2.4	4.8	41.8	148.8	124.7	272.1	5.1	35.4
325	Structural clay products	4.3	72.6	3.5	6.9	54.6	162.5	110.8	263.4	3.7	72.3
326	Pottery and related products	5.2	86.8	4.2	7.9	64.4	179.0	91.4	268.5	3.2	47.4
327	Concrete, gypsum, and plaster products	6.0	122.5	4.2	8.6	77.6	296.3	326.1	611.5	14.2	58.1
329	Miscellaneous nonmetallic mineral products	10.4	242.5	7.9	16.1	172.6	615.4	449.6	1 060.4	33.4	152.0
33	**Primary metal industries**	**90.1**	**2 390.0**	**70.5**	**136.3**	**1 781.3**	**4 895.4**	**7 801.2**	**12 711.8**	**571.3**	**2 470.0**
331	Blast furnace and basic steel products	48.8	1 346.4	38.1	71.2	1 005.2	2 890.5	5 266.2	9 165.5	398.0	1 713.2
332	Iron and steel foundries	19.2	502.6	15.6	31.1	398.1	943.7	640.7	1 582.2	78.9	180.7
333	Primary nonferrous metals	2.5	77.0	2.0	3.7	54.8	161.1	252.5	411.5	10.7	88.2
335	Nonferrous rolling and drawing	7.2	194.2	5.2	10.7	131.7	281.5	909.6	1 221.1	55.6	301.8
336	Nonferrous foundries	8.8	192.7	6.9	13.7	138.9	410.2	339.2	752.2	21.3	93.7
34	**Fabricated metal products**	**128.0**	**3 013.2**	**95.2**	**192.2**	**2 072.0**	**6 685.9**	**7 149.0**	**13 791.0**	**307.8**	**2 148.7**
341	Metal cans and shipping containers	4.6	124.7	3.6	7.7	92.6	414.8	615.5	1 008.4	12.4	135.5
342	Cutlery, hand tools, and hardware	12.7	324.8	10.0	19.3	237.4	851.1	507.3	1 366.1	28.6	204.0
343	Plumbing and heating, except electric	2.8	59.7	1.8	3.6	31.3	179.5	179.2	362.6	2.6	55.6
344	Fabricated structural metal products	25.0	533.8	17.4	34.3	326.0	1 112.6	1 579.8	2 682.3	36.7	444.0
345	Screw machine products, bolts, etc.	9.0	169.7	6.8	13.1	115.2	373.4	286.0	656.6	12.7	122.1
346	Metal forgings and stampings	39.8	1 108.5	31.9	67.2	842.8	2 166.4	2 435.0	4 588.6	98.4	525.4
347	Metal services, n.e.c.	7.5	131.1	6.0	11.8	96.7	253.2	457.8	702.8	36.3	87.1
348	Ordnance and accessories, n.e.c.	3.2	79.8	1.5	2.9	25.5	126.3	40.0	162.1	1.6	11.2
349	Miscellaneous fabricated metal products	23.3	481.2	16.3	32.4	304.4	1 208.8	1 048.2	2 261.4	78.5	563.6
35	**Machinery, except electrical**	**142.0**	**3 263.2**	**94.2**	**182.2**	**1 935.3**	**5 952.2**	**5 442.4**	**11 730.7**	**282.1**	**2 888.5**
351	Engines and turbines	3.7	99.1	2.6	4.9	68.7	225.5	342.6	569.8	14.1	112.5
352	Farm and garden machinery	3.3	63.2	2.4	4.9	40.6	136.0	170.7	292.0	4.2	101.3
353	Construction and related machinery	18.8	455.4	10.7	20.4	225.1	686.2	928.5	1 741.4	36.1	654.0
354	Metalworking machinery	35.7	798.9	24.2	45.9	494.0	1 308.7	781.3	2 239.6	65.4	691.1
355	Special industry machinery	14.3	339.9	8.8	17.2	186.3	582.8	552.0	1 186.5	22.4	282.1
356	General industrial machinery	27.8	656.4	17.8	33.6	378.9	1 115.9	1 068.8	2 216.8	63.6	558.0
357	Office and computing machines	6.1	122.1	3.3	6.0	46.1	420.7	293.0	697.0	10.5	125.9
358	Refrigeration and service machinery	16.3	408.8	11.6	23.4	276.4	918.6	1 007.3	1 913.7	38.9	271.4
359	Miscellaneous machinery, except electrical	16.0	319.4	12.7	25.9	219.3	557.7	298.2	873.9	27.0	92.2
36	**Electric and electronic equipment**	**85.2**	**1 902.0**	**59.8**	**113.5**	**1 152.2**	**4 799.1**	**3 814.2**	**8 601.0**	**210.0**	**1 555.0**
361	Electric distributing equipment	3.5	72.2	2.4	4.2	43.0	165.7	126.2	296.5	8.9	47.6
362	Electrical industrial apparatus	16.9	395.1	10.8	20.4	211.9	848.1	650.3	1 508.9	41.1	362.6
363	Household appliances	16.6	374.6	12.4	23.1	258.5	1 032.3	1 145.9	2 153.9	29.3	274.0
364	Electric lighting and wiring equipment	16.1	330.7	12.9	25.2	243.9	926.9	664.9	1 587.1	54.2	192.7
366	Communication equipment	9.6	226.8	6.1	11.0	117.6	569.4	370.4	923.7	21.4	245.1
367	Electronic components and accessories	9.3	169.1	7.0	13.7	106.4	447.5	233.8	682.4	20.9	91.3
369	Miscellaneous electrical equipment and supplies	12.9	330.2	8.0	15.6	169.0	803.6	615.8	1 435.3	34.1	336.7
37	**Transportation equipment**	**142.4**	**4 217.6**	**103.8**	**216.4**	**2 904.0**	**10 216.3**	**16 226.8**	**26 137.9**	**484.8**	**2 836.1**
371	Motor vehicles and equipment	94.1	2 813.5	76.6	159.8	2 231.8	7 063.5	13 555.2	20 501.6	376.9	1 356.9
372	Aircraft and parts	33.6	1 029.2	17.1	35.5	442.1	2 454.3	1 435.7	3 837.1	84.7	930.7
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
379	Miscellaneous transportation equipment	7.4	199.9	5.4	11.2	131.8	355.3	885.6	1 102.6	3	398.3
38	**Instruments and related products**	**21.8**	**418.7**	**13.1**	**24.7**	**193.3**	**982.5**	**467.0**	**1 448.8**	**29.[illegible]**	**287.6**
382	Measuring and controlling devices	13.1	281.8	7.7	14.4	113.8	535.9	254.4	792.6	16.7	163.4
384	Medical instruments and supplies	5.2	136.9	3.3	6.7	45.2	281.2	134.8	413.3	6.1	68.5
39	**Miscellaneous manufacturing industries**	**12.9**	**221.4**	**8.8**	**16.4**	**116.8**	**562.2**	**492.6**	**1 055.4**	**29.6**	**170.8**
394	Toys and sporting goods	4.1	74.5	2.2	4.4	28.3	283.5	217.5	502.6	19.1	71.8
399	Miscellaneous manufactures	6.5	110.2	4.8	8.5	65.8	212.0	195.4	404.8	7.7	62.2
—	**Auxiliaries**[2]	**103.7**	**3 172.2**	-	-	-	-	-	-	-	-

See footnotes at end of table

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Ohio
66.5	**1 293.5**	**49.7**	**94.5**	**850.8**	**2 555.1**	**2 797.8**	**5 450.0**	**245.1**	**1**	**1**	**5**	**30**
3.4	90.9	2.3	4.5	58.8	170.0	301.1	492.6	12.8	1	1	1	301
6.5	165.1	4.2	7.0	98.9	192.3	248.7	471.2	50.8	1	1	1	304
18.1	359.2	13.1	25.9	234.8	649.1	625.3	1 289.1	39.2	1	1	4	306
38.3	673.8	29.8	56.7	454.8	1 528.3	1 587.1	3 147.8	142.4	2	2	8	307
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**31**
3.0	34.6	2.7	5.6	27.0	87.4	59.7	148.0	2.0	1	1	4	314
43.4	**872.7**	**33.5**	**65.4**	**631.1**	**1 911.3**	**1 495.3**	**3 436.7**	**145.4**	**1**	**3**	**9**	**32**
10.3	219.8	8.2	16.0	168.1	489.1	290.1	782.3	41.8	1	1	7	322
2.8	51.4	2.1	4.2	36.0	123.8	117.3	243.8	6.0	3	9	17	323
4.3	70.9	3.3	6.5	50.0	137.3	105.7	245.9	6.0	5	8	36	325
5.4	86.3	4.5	8.4	64.6	185.5	82.4	271.7	7.2	5	4	8	326
6.4	127.7	4.6	9.2	84.2	249.7	320.1	573.0	17.8	4	8	34	327
10.9	229.4	8.1	15.5	154.9	590.2	433.7	1 032.6	64.3	2	7	26	329
98.6	**2 546.9**	**76.1**	**136.0**	**1 876.8**	**4 326.5**	**7 474.7**	**12 089.2**	**630.8**	**1**	**1**	**1**	**33**
53.1	1 490.5	40.5	69.4	1 099.6	2 414.5	4 977.8	7 636.0	439.8	2	1	1	331
21.9	520.6	17.7	32.6	405.6	867.3	631.5	1 517.7	79.7	2	1	2	332
2.6	79.2	2.0	3.6	58.1	127.9	254.3	387.7	11.2	1	1	1	333
7.4	186.2	5.3	10.3	124.6	412.3	888.7	1 288.0	73.0	1	4	9	335
9.9	193.7	7.7	14.5	138.4	388.1	307.1	679.6	17.2	2	3	12	336
130.8	**2 827.8**	**96.4**	**185.6**	**1 905.3**	**5 937.4**	**6 224.6**	**12 268.5**	**371.4**	**1**	**1**	**11**	**34**
4.7	117.6	3.8	7.7	92.1	423.8	616.3	1 042.0	18.3	1	1	8	341
11.4	269.1	8.6	16.3	185.6	655.7	411.3	1 073.1	22.3	1	1	5	342
3.1	61.1	2.1	3.6	34.4	152.5	147.5	291.4	6.9	1	1	5	343
27.2	541.7	18.7	35.8	330.4	1 086.9	1 284.1	2 384.5	38.5	5	4	7	344
9.3	171.9	7.1	13.2	112.0	329.8	265.0	605.7	19.1	3	4	16	345
39.1	962.4	30.9	59.9	716.8	1 697.4	1 974.5	3 734.3	187.7	1	1	9	346
7.9	138.0	6.3	12.3	96.5	272.7	393.4	650.6	18.3	7	8	62	347
2.9	70.8	1.3	2.7	22.7	123.1	36.5	160.1	9	4	3	59	348
25.2	495.2	17.6	34.0	314.8	1 195.7	1 096.0	2 326.8	59.4	2	3	25	349
163.1	**3 570.3**	**105.8**	**201.7**	**2 099.5**	**6 796.8**	**5 743.8**	**12 772.8**	**388.5**	**2**	**2**	**5**	**35**
4.3	122.8	3.1	6.7	89.0	305.1	398.2	714.4	22.5	1	1	3	351
3.0	57.7	2.2	4.3	38.3	118.8	160.2	274.4	4.4	9	9	23	352
23.1	537.0	13.4	25.3	278.7	925.3	1 102.4	2 063.6	55.9	1	3	6	353
43.2	948.8	28.5	54.2	574.9	1 728.8	952.5	2 767.7	107.9	1	4	10	354
16.5	343.9	9.8	18.1	179.8	642.0	529.9	1 204.0	27.3	8	10	7	355
32.7	742.6	20.4	37.9	419.8	1 382.7	1 186.1	2 633.5	67.6	1	2	2	356
5.7	109.3	2.8	4.9	38.8	297.4	268.3	560.9	12.1	3	2	3	357
16.5	371.7	11.5	22.2	243.0	779.1	850.2	1 643.7	46.0	1	1	4	358
18.2	336.4	14.1	28.1	237.2	617.5	296.2	910.6	44.8	6	5	33	359
86.6	**1 793.2**	**60.0**	**110.2**	**1 092.7**	**4 611.1**	**3 379.4**	**7 955.1**	**216.1**	**3**	**2**	**4**	**36**
3.8	70.7	2.7	4.6	44.0	163.2	128.5	285.4	5.5	1	1	5	361
20.6	455.3	13.1	24.2	256.2	1 006.9	649.5	1 687.2	67.8	1	2	8	362
16.1	328.9	11.5	20.5	221.0	893.5	934.4	1 852.6	29.5	1	1	1	363
16.2	300.8	12.8	23.4	218.0	793.1	576.0	1 370.2	32.3	16	6	9	364
8.1	181.6	5.1	9.5	97.9	602.1	313.3	876.5	15.0	1	1	3	366
9.3	158.1	6.8	13.0	101.2	355.9	208.5	564.3	20.6	2	2	17	367
12.2	293.2	7.7	14.7	151.9	788.4	559.5	1 292.2	44.8	3	1	1	369
123.6	**3 374.9**	**86.9**	**171.3**	**2 220.8**	**7 038.3**	**11 042.3**	**17 985.1**	**936.4**	**1**	**1**	**1**	**37**
81.5	2 230.8	63.8	124.4	1 691.2	4 539.6	8 827.8	13 449.7	825.8	1	1	1	371
30.8	864.3	15.6	31.9	361.5	1 891.5	1 281.2	3 143.1	82.6	1	1	4	372
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
4.4	113.2	3.3	6.6	71.5	328.9	522.5	711.9	2.2	1	1	[illegible]	379
22.8	**404.7**	**14.3**	**25.6**	**192.2**	**898.3**	**441.3**	**1 347.4**	**43.8**	**2**	**2**	**7**	**38**
14.4	260.3	8.9	15.3	118.0	542.7	249.9	798.1	27.8	1	2	5	382
5.2	83.7	3.4	6.5	45.1	236.2	126.8	365.6	10.9	3	6	26	384
13.2	**202.4**	**9.1**	**16.8**	**117.8**	**599.7**	**451.6**	**1 044.7**	**27.6**	**2**	**4**	**14**	**39**
4.5	62.2	2.6	5.0	32.3	322.9	211.3	524.8	15.8	5	3	8	394
6.3	104.3	4.6	8.4	52.5	210.5	167.8	381.5	8.1	3	8	47	399
105.3	**3 079.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**--**

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Okla.	**Oklahoma**	**183.1**	**3 949.6**	**114.0**	**220.3**	**2 048.8**	**7 650.2**	**15 392.2**	**23 459.3**	**544.3**	**3 495.4**
20	**Food and kindred products**	**12.6**	**214.0**	**8.1**	**18.3**	**114.8**	**662.2**	**1 520.2**	**2 171.8**	**51.2**	**129.6**
201	Meat products	2.7	34.0	2.3	4.5	25.3	73.3	533.9	609.2	3.0	13.9
23	**Apparel and other textile products**	**8.5**	**84.6**	**7.6**	**14.6**	**68.6**	**215.3**	**216.0**	**429.4**	**2.0**	**57.5**
232	Men's and boys' furnishings	3.6	34.9	3.4	6.6	31.3	91.8	93.5	180.9	1.0	24.2
24	**Lumber and wood products**	**3.5**	**49.2**	**2.9**	**5.4**	**36.1**	**99.5**	**240.1**	**343.7**	**6.9**	**27.8**
26	**Paper and allied products**	**2.8**	**67.0**	**2.5**	**4.4**	**51.5**	**216.9**	**364.6**	**577.3**	**(D)**	**73.1**
27	**Printing and publishing**	**10.9**	**167.1**	**6.0**	**11.1**	**82.0**	**411.0**	**202.2**	**622.8**	**7.2**	**49.0**
271	Newspapers	5.1	72.1	2.1	3.8	24.7	216.0	64.7	280.7	(D)	11.2
275	Commercial printing	3.4	53.2	2.5	4.5	35.5	103.5	74.4	178.4	(D)	21.0
28	**Chemicals and allied products**	**3.7**	**70.7**	**2.5**	**4.9**	**42.5**	**563.2**	**576.6**	**1 152.4**	**35.8**	**103.0**
29	**Petroleum and coal products**	**4.8**	**124.9**	**3.3**	**7.0**	**95.8**	**378.1**	**5 373.0**	**5 974.0**	**34.3**	**309.3**
291	Petroleum refining	3.6	105.1	2.6	5.5	73.4	324.4	5 200.5	5 747.8	32.8	273.7
30	**Rubber and miscellaneous plastics products**	**10.3**	**257.6**	**8.2**	**15.9**	**194.5**	**708.1**	**637.5**	**1 384.5**	**39.3**	**143.9**
301	Tires and inner tubes	7.1	194.7	5.7	10.9	151.4	595.1	453.5	1 074.6	22.8	97.0
307	Miscellaneous plastics products	2.5	53.9	2.0	4.2	38.0	101.2	163.9	278.1	16.1	41.3
32	**Stone, clay, and glass products**	**9.9**	**205.5**	**8.2**	**16.4**	**160.2**	**549.8**	**432.5**	**973.2**	**25.9**	**115.1**
322	Glass and glassware, pressed or blown	3.2	69.5	2.8	5.4	58.7	158.5	97.7	250.7	14.8	40.9
327	Concrete, gypsum, and plaster products	3.8	66.2	3.0	6.2	48.4	186.3	200.9	386.7	2.7	20.1
33	**Primary metal industries**	**4.4**	**90.4**	**3.3**	**6.6**	**61.0**	**106.6**	**279.4**	**395.4**	**9.5**	**103.4**
34	**Fabricated metal products**	**18.7**	**374.7**	**12.9**	**24.9**	**231.4**	**772.7**	**895.2**	**1 679.3**	**23.9**	**396.4**
344	Fabricated structural metal products	10.4	211.3	7.3	14.0	128.9	400.4	534.7	946.1	10.5	162.2
349	Miscellaneous fabricated metal products	4.6	99.8	2.9	5.8	57.4	188.0	187.9	383.4	6.2	142.6
35	**Machinery, except electrical**	**31.1**	**645.6**	**20.0**	**38.9**	**366.1**	**1 330.2**	**1 370.5**	**2 743.6**	**159.5**	**1 088.5**
353	Construction and related machinery	11.1	238.4	6.8	13.2	131.7	461.7	509.4	1 016.4	19.0	664.6
356	General industrial machinery	7.1	154.8	4.3	8.1	84.6	296.9	279.2	592.5	17.0	186.4
357	Office and computing machines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
359	Miscellaneous machinery, except electrical	4.2	69.9	3.4	6.9	50.8	135.8	62.4	203.4	(D)	22.1
36	**Electric and electronic equipment**	**12.0**	**265.0**	**9.3**	**16.0**	**169.4**	**345.7**	**786.7**	**1 264.2**	**72.2**	**469.5**
366	Communication equipment	6.7	180.7	5.4	8.9	118.6	131.7	616.9	874.9	(D)	396.2
37	**Transportation equipment**	**17.9**	**438.3**	**13.4**	**25.6**	**304.9**	**796.8**	**2 174.5**	**2 958.1**	**27.6**	**300.6**
371	Motor vehicles and equipment	9.9	228.2	8.4	15.7	187.4	410.6	1 974.3	2 379.6	7.2	154.8
372	Aircraft and parts	6.7	190.4	4.0	8.1	104.7	356.7	119.9	468.7	18.6	127.0
38	**Instruments and related products**	**3.0**	**76.0**	**1.7**	**3.3**	**33.0**	**324.9**	**122.7**	**418.1**	**5.4**	**72.7**
—	**Auxiliaries**[2]	**23.8**	**752.3**	-	-	-	-	-	-	-	-
Oreg.	**Oregon**	**186.1**	**3 980.0**	**132.3**	**247.1**	**2 512.3**	**8 327.4**	**10 748.3**	**19 084.1**	**489.9**	**2 921.9**
20	**Food and kindred products**	**23.2**	**388.8**	**18.0**	**31.0**	**257.3**	**1 162.3**	**1 733.0**	**2 875.0**	**75.1**	**437.4**
203	Preserved fruits and vegetables	10.9	141.6	9.7	15.1	110.4	428.0	468.1	900.1	35.4	249.3
205	Bakery products	2.9	64.5	1.9	3.8	39.1	225.7	117.7	343.2	9.2	11.2
23	**Apparel and other textile products**	**2.7**	**46.9**	**2.2**	**4.4**	**29.8**	**93.5**	**64.6**	**156.8**	**10.4**	**19.9**
24	**Lumber and wood products**	**58.0**	**1 232.4**	**51.1**	**98.7**	**1 055.4**	**2 373.6**	**4 314.7**	**6 661.2**	**132.3**	**754.1**
241	Logging camps and logging contractors	12.7	264.2	11.0	21.0	229.2	523.9	1 060.7	1 602.5	39.5	150.5
242	Sawmills and planing mills	18.4	399.2	16.5	32.0	343.3	845.2	1 351.7	2 172.1	57.7	324.3
243	Millwork, plywood, and structural members	21.7	469.3	19.4	38.1	408.6	790.3	1 575.2	2 350.3	31.2	231.7
249	Miscellaneous wood products	3.1	69.1	2.5	4.8	52.0	155.4	215.3	368.5	3.3	37.3
26	**Paper and allied products**	**8.4**	**248.9**	**6.6**	**12.3**	**186.4**	**677.8**	**1 125.9**	**1 798.4**	**54.5**	**145.8**
262	Paper mills, except building paper	2.9	101.9	2.4	4.5	80.7	263.9	432.7	689.7	32.7	61.1
27	**Printing and publishing**	**10.0**	**169.3**	**6.0**	**10.[illegible]**	**88.6**	**398.1**	**255.7**	**647.7**	**10.0**	**43.4**
271	Newspapers	4.2	75.1	1.8	2.9	26.8	183.9	77.1	260.2	2.6	6.1
275	Commercial printing	3.7	56.2	2.8	4.7	38.0	111.1	98.1	208.3	4.8	16.8
30	**Rubber and miscellaneous plastics products**	**2.9**	**53.0**	**2.3**	**4.1**	**36.5**	**125.6**	**141.2**	**268.3**	**7.1**	**32.6**
307	Miscellaneous plastics products	2.7	47.5	2.1	3.6	33.6	110.9	129.1	241.6	5.9	29.7
32	**Stone, clay, and glass products**	**3.2**	**66.8**	**2.3**	**4.7**	**46.6**	**145.4**	**148.6**	**300.2**	**14.2**	**38.3**
33	**Primary metal industries**	**7.7**	**202.6**	**5.4**	**10.3**	**135.0**	**407.5**	**510.9**	**932.4**	**28.5**	**225.8**
332	Iron and steel foundries	2.5	58.3	1.8	3.4	41.1	118.7	85.2	198.5	9.2	51.9
34	**Fabricated metal products**	**9.6**	**193.3**	**7.0**	**13.2**	**121.4**	**428.3**	**406.0**	**831.4**	**11.3**	**161.7**
344	Fabricated structural metal products	3.3	60.4	2.4	4.3	37.4	125.5	142.0	263.0	1.7	50.2
35	**Machinery, except electrical**	**14.5**	**341.5**	**8.4**	**15.2**	**162.2**	**693.4**	**492.1**	**1 184.4**	**29.4**	**293.5**
357	Office and computing machines	5.6	144.3	2.6	4.7	49.9	350.4	209.6	538.8	19.8	144.5

See footnotes at end of table

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1] –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
196.9	4 009.9	121.1	233.6	2 065.1	8 143.0	14 999.7	23 116.1	841.3	1	2	5	Okla.
12.5	204.6	7.9	16.2	107.7	580.3	1 580.9	2 163.8	44.5	2	3	23	20
2.7	36.3	2.3	4.6	28.1	61.9	580.2	640.2	1.8	1	4	35	201
9.1	83.9	8.1	14.5	68.1	175.6	163.5	346.3	3.5	7	10	15	23
4.2	39.0	4.0	7.0	34.4	87.8	75.8	169.6	1.5	15	7	13	232
3.6	51.1	2.9	5.4	37.6	98.8	234.4	334.3	8.1	3	12	23	24
2.6	58.9	2.1	4.2	44.5	175.7	340.2	512.9	(D)	4	6	(X)	26
11.1	170.2	6.1	11.3	81.2	410.9	208.2	620.0	18.5	2	6	12	27
5.1	71.6	2.0	3.7	24.2	187.0	66.2	253.1	(D)	1	9	(X)	271
3.4	51.6	2.6	4.8	35.1	100.9	71.2	171.3	(D)	4	4	(X)	275
3.4	74.4	2.2	4.6	46.3	491.7	549.3	1 043.9	42.5	13	5	46	28
4.9	135.5	3.6	7.5	94.5	625.9	6 121.9	6 666.1	68.4	2	1	1	29
3.9	114.1	2.8	5.9	80.8	570.8	5 938.6	6 432.9	64.2	2	1	1	291
10.9	233.2	8.5	15.0	169.4	747.0	584.3	1 332.5	53.9	7	4	17	30
7.2	174.5	5.7	10.1	133.0	604.1	429.3	1 036.3	34.1	1	1	1	301
3.2	50.2	2.4	4.1	30.6	130.0	140.9	269.1	19.5	28	28	42	307
9.8	193.5	8.1	16.1	149.8	454.3	401.8	849.5	54.2	3	6	6	32
3.3	66.7	2.9	5.5	55.1	151.8	97.2	247.8	10.5	1	1	1	322
3.5	59.4	2.8	6.0	43.7	142.1	174.1	315.8	20.8	7	16	34	327
5.1	102.8	3.8	7.4	70.3	180.1	263.6	458.7	17.0	5	12	8	33
22.5	438.4	15.6	30.7	272.8	925.5	935.1	1 875.3	69.7	4	4	15	34
12.8	251.4	9.0	17.5	155.6	491.2	553.8	1 059.3	28.2	5	5	31	344
5.9	120.0	3.7	7.3	69.9	241.0	233.2	477.9	21.2	6	4	9	349
38.9	767.1	24.5	46.8	429.8	1 598.6	1 610.2	3 226.1	198.2	2	2	4	35
15.2	318.5	9.3	17.6	183.0	652.6	807.8	1 476.8	93.2	2	1	3	353
8.3	169.8	5.3	9.7	96.5	330.8	327.2	660.4	20.0	4	4	30	356
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	357
4.5	73.2	3.6	7.4	54.0	144.8	64.2	212.6	(D)	4	3	(X)	359
12.1	224.1	9.1	17.6	147.3	606.6	684.4	1 228.9	48.1	1	4	1	36
6.8	145.7	5.3	10.6	100.8	396.8	516.5	849.2	(D)	1	8	(X)	366
15.9	382.0	11.5	23.1	258.2	603.7	1 000.4	1 678.7	43.2	1	1	2	37
6.4	141.1	5.1	10.3	102.5	156.4	762.8	920.0	27.4	1	1	7	371
8.2	220.0	5.4	10.9	141.9	412.0	150.6	632.9	13.2	1	1	1	372
3.7	77.0	2.2	4.3	36.4	304.1	121.2	422.2	20.0	9	25	21	38
25.0	742.2	-	-	-	-	-	-	-	1	(X)	(X)	—
185.1	3 783.2	129.6	237.9	2 333.7	7 973.0	9 883.4	17 897.3	644.0	1	2	4	Oreg.
22.6	370.5	17.6	30.6	248.1	1 128.3	1 711.5	2 830.1	89.9	2	4	9	20
10.1	138.8	9.0	15.3	111.2	441.9	443.7	879.9	50.5	2	4	3	203
2.9	57.7	1.8	3.3	33.6	192.9	102.2	294.3	7.6	9	10	48	205
3.0	28.9	2.4	4.1	20.8	64.0	76.3	140.5	1.8	8	42	81	23
52.6	1 052.8	45.8	84.7	879.2	1 641.4	3 770.6	5 510.4	142.1	2	3	11	24
11.3	223.1	9.9	17.9	187.2	438.7	1 046.8	1 513.8	35.3	3	5	30	241
17.2	349.1	15.1	27.4	290.9	496.7	1 154.7	1 680.8	54.6	4	6	11	242
19.4	395.1	17.2	32.9	340.0	539.7	1 295.1	1 868.6	44.7	2	2	4	243
2.9	59.4	2.3	4.3	43.2	117.1	188.0	310.7	5.9	5	4	13	249
8.7	243.5	6.8	12.9	182.6	620.9	1 151.0	1 762.4	75.1	1	1	4	26
3.3	108.5	2.7	5.3	84.0	279.1	480.8	752.7	26.0	1	1	1	262
10.1	168.6	5.7	9.8	88.4	376.2	233.8	608.8	21.3	4	3	19	27
4.5	72.1	1.7	2.9	25.6	165.7	72.6	238.4	5.3	8	2	14	271
3.6	60.5	2.7	4.5	41.0	116.2	98.0	211.3	12.8	4	10	25	275
2.6	44.7	2.0	3.8	29.3	101.8	113.8	214.0	22.7	8	11	37	30
2.3	39.4	1.8	3.4	26.3	87.1	103.2	188.8	22.3	9	12	43	307
3.1	64.2	2.3	4.5	44.1	150.7	136.0	287.2	16.5	5	5	23	32
8.6	215.9	5.9	11.0	144.3	424.8	421.3	873.3	61.1	1	1	2	33
3.4	71.2	2.3	3.9	47.2	134.7	69.7	211.7	4.4	1	3	3	332
9.8	196.8	7.0	13.2	119.8	420.2	399.1	829.6	22.2	3	6	28	34
3.4	70.6	2.3	4.5	42.3	134.8	147.6	288.6	4.4	8	15	30	344
16.7	354.2	9.4	16.7	172.8	758.2	519.0	1 262.2	56.7	2	2	6	35
6.4	140.4	3.0	5.3	59.5	386.9	196.8	557.6	29.7	1	1	1	357

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers							
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Oreg.	**Oregon**—Con.										
36	**Electric and electronic equipment**	**10.2**	**228.3**	**5.5**	**11.4**	**86.5**	**479.7**	**217.5**	**698.4**	**67.5**	**116.9**
366	Communication equipment	2.5	52.5	1.3	2.5	18.0	142.7	52.1	202.4	4.4	42.6
367	Electronic components and accessories	5.3	130.0	2.7	6.3	45.5	222.8	80.8	299.1	60.6	29.1
37	**Transportation equipment**	**6.4**	**161.7**	**5.2**	**8.8**	**123.4**	**318.6**	**438.7**	**761.7**	**5.9**	**120.2**
38	**Instruments and related products**	**14.7**	**331.4**	**6.9**	**12.5**	**103.3**	**664.1**	**285.5**	**985.3**	**(D)**	**288.5**
382	Measuring and controlling devices	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
—	**Auxiliaries**[2]	**7.1**	**183.8**	-	-	-	-	-	-	-	-
Pa.	**Pennsylvania**	**1 113.0**	**22 760.4**	**732.9**	**1 385.6**	**12 518.0**	**47 508.9**	**55 889.6**	**103 760.5**	**2 998.3**	**16 903.7**
20	**Food and kindred products**	**83.3**	**1 528.5**	**57.8**	**111.3**	**951.5**	**5 238.9**	**8 659.1**	**13 905.7**	**297.3**	**1 083.0**
201	Meat products	13.3	229.5	10.6	20.8	154.1	513.3	2 105.0	2 611.7	47.2	97.7
202	Dairy products	8.4	147.6	4.6	9.0	79.6	465.6	1 429.2	1 892.3	38.6	65.6
203	Preserved fruits and vegetables	11.5	188.9	9.5	17.1	140.5	830.0	1 083.6	1 911.1	39.0	277.6
204	Grain mill products	5.3	111.0	3.3	6.2	65.3	545.3	950.2	1 489.4	26.8	85.5
205	Bakery products	15.1	286.8	9.6	18.6	167.5	853.9	481.8	1 333.9	29.6	39.4
206	Sugar and confectionery products	13.1	245.3	10.3	19.7	175.8	954.1	948.7	1 926.9	48.7	316.7
208	Beverages	8.1	179.9	4.0	8.1	86.6	490.4	852.0	1 348.1	47.8	94.9
209	Miscellaneous foods and kindred products	7.7	122.8	5.5	10.8	74.3	532.6	639.9	1 170.5	13.5	94.5
22	**Textile mill products**	**38.5**	**504.3**	**32.1**	**60.6**	**371.8**	**1 073.2**	**1 151.0**	**2 218.2**	**40.6**	**391.9**
222	Weaving mills, synthetics	3.4	49.6	3.1	6.0	40.5	118.5	125.4	240.2	3.0	42.3
225	Knitting mills	21.8	273.1	18.0	32.9	195.8	622.0	584.8	1 205.4	14.4	218.8
228	Yarn and thread mills	3.1	31.4	2.8	5.2	24.7	51.9	75.6	126.9	1.8	16.7
229	Miscellaneous textile goods	3.4	47.7	2.7	5.1	33.7	93.9	132.2	228.1	16.0	41.2
23	**Apparel and other textile products**	**115.6**	**1 134.1**	**100.6**	**177.3**	**859.6**	**2 218.2**	**1 663.7**	**3 875.1**	**31.5**	**480.7**
231	Men's and boys' suits and coats	15.4	196.3	13.3	23.1	156.8	428.3	342.1	756.8	3.9	132.2
232	Men's and boys' furnishings	16.2	159.9	13.3	22.3	113.7	309.2	178.9	482.1	8.1	54.6
233	Women's and misses' outerwear	55.5	500.0	49.4	87.7	382.9	948.2	724.7	1 688.0	13.0	138.0
234	Women's and children's undergarments	9.2	89.1	8.2	14.2	69.3	157.9	126.4	282.3	1.9	41.3
236	Children's outerwear	8.9	80.6	7.9	14.6	62.9	135.0	72.1	206.3	1.4	37.7
238	Miscellaneous apparel and accessories	2.8	25.2	2.3	4.1	18.9	58.1	62.2	119.0	.3	18.0
239	Miscellaneous fabricated textile products	6.4	68.7	5.0	9.2	44.1	147.0	146.8	294.0	2.5	51.4
24	**Lumber and wood products**	**18.7**	**277.8**	**15.5**	**29.3**	**200.0**	**619.5**	**901.5**	**1 465.9**	**45.6**	**233.8**
242	Sawmills and planing mills	4.7	57.3	4.2	8.2	48.5	128.5	228.3	338.1	16.0	69.5
243	Millwork, plywood, and structural members	6.5	114.2	5.1	11.1	78.7	254.0	283.4	520.5	8.2	87.7
245	Wood buildings and mobile homes	3.1	48.7	2.4	4.4	30.9	97.3	193.5	289.7	1.6	21.1
25	**Furniture and fixtures**	**18.6**	**312.3**	**14.5**	**28.2**	**208.9**	**643.6**	**567.6**	**1 198.2**	**23.0**	**216.1**
251	Household furniture	7.7	107.2	6.3	11.9	73.9	230.5	224.8	454.3	5.0	73.1
252	Office furniture	3.5	66.1	2.5	5.5	46.9	118.6	83.1	198.6	5.6	32.4
254	Partitions and fixtures	5.6	107.5	4.3	8.1	68.2	206.5	159.5	366.2	9.7	67.1
26	**Paper and allied products**	**36.7**	**820.8**	**27.2**	**56.2**	**568.8**	**2 408.8**	**2 985.5**	**5 393.2**	**165.0**	**540.7**
262	Paper mills, except building paper	7.4	204.2	5.1	11.1	140.0	592.0	660.8	1 256.8	98.8	110.6
264	Miscellaneous converted paper products	15.5	321.4	11.6	23.5	227.1	1 197.6	1 412.5	2 606.0	38.8	262.0
265	Paperboard containers and boxes	11.8	249.4	8.9	18.0	167.9	520.7	790.3	1 309.4	25.6	152.6
27	**Printing and publishing**	**77.3**	**1 414.1**	**46.9**	**84.9**	**774.3**	**3 286.2**	**1 995.4**	**5 273.5**	**278.9**	**402.5**
271	Newspapers	23.1	407.6	9.2	15.8	158.3	874.8	336.5	1 211.2	35.5	31.3
272	Periodicals	4.5	83.2	1.2	2.2	17.0	422.0	323.3	743.6	8.5	48.9
273	Books	7.2	126.7	4.5	8.6	68.3	310.9	178.1	495.1	12.9	65.7
275	Commercial printing	26.9	521.0	20.3	38.3	345.1	1 019.1	674.5	1 680.1	194.6	150.1
276	Manifold business forms	3.7	85.2	3.1	5.9	63.2	264.6	344.4	606.2	8.1	58.0
277	Greeting card publishing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
279	Printing trade services	4.8	84.1	3.8	7.1	59.6	154.4	27.6	183.1	5.4	13.6
28	**Chemicals and allied products**	**37.8**	**960.4**	**22.1**	**42.5**	**492.6**	**4 777.1**	**3 269.6**	**7 963.7**	**223.9**	**1 094.7**
281	Industrial inorganic chemicals	4.2	108.9	2.6	5.2	62.4	439.1	323.0	699.9	19.9	172.6
282	Plastics materials and synthetics	4.6	115.1	3.1	6.0	71.3	259.6	578.2	865.8	20.9	137.9
283	Drugs	14.1	414.3	7.9	15.0	193.7	2 779.5	853.5	3 596.4	116.0	376.3
284	Soaps, cleaners, and toilet goods	2.8	53.3	1.6	3.2	26.7	227.3	251.8	481.3	6.9	69.3
285	Paints and allied products	2.8	58.5	1.4	2.6	26.2	219.8	264.9	481.7	6.1	62.5
286	Industrial organic chemicals	4.5	115.6	2.6	5.1	65.3	570.5	618.0	1 174.4	44.4	167.5
289	Miscellaneous chemical products	3.9	78.6	2.2	4.1	38.4	226.8	257.0	482.9	8.3	74.1
29	**Petroleum and coal products**	**9.0**	**262.9**	**6.0**	**12.1**	**165.1**	**1 010.3**	**8 527.4**	**9 707.3**	**81.7**	**672.0**
291	Petroleum refining	6.3	201.2	4.1	8.5	132.7	823.0	8 123.9	9 113.6	72.8	631.8
30	**Rubber and miscellaneous plastics products**	**33.9**	**615.2**	**25.9**	**49.0**	**391.4**	**1 378.3**	**1 490.6**	**2 878.6**	**115.5**	**400.4**
306	Fabricated rubber products, n.e.c.	4.4	89.0	2.7	5.7	47.0	134.9	144.2	295.9	(D)	52.7
307	Miscellaneous plastics products	26.0	461.4	20.2	37.9	295.8	1 094.8	1 217.0	2 309.5	98.7	309.9
31	**Leather and leather products**	**14.7**	**161.5**	**13.1**	**22.7**	**127.8**	**312.4**	**381.4**	**702.6**	**9.0**	**112.7**
314	Footwear, except rubber	11.2	116.0	10.2	17.7	94.1	223.7	223.9	455.9	4.3	60.5

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Oreg.
9.7	**187.9**	**5.1**	**9.6**	**72.9**	**576.6**	**206.0**	**772.7**	**35.4**	**3**	**4**	**3**	**36**
2.2	39.0	1.3	2.6	18.2	142.3	71.6	212.2	7.7	8	4	31	366
5.1	102.8	2.2	4.2	30.0	317.9	49.4	364.1	22.9	4	8	2	367
6.9	**173.2**	**5.4**	**10.5**	**133.7**	**304.6**	**330.2**	**613.4**	**12.9**	**4**	**3**	**3**	**37**
16.5	**363.6**	**8.5**	**15.9**	**113.7**	**1 058.7**	**268.4**	**1 299.6**	**(D)**	**1**	**1**	**(X)**	**38**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	382
6.4	**183.8**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**--**
1 180.0	**23 314.5**	**772.2**	**1 435.9**	**12 855.6**	**44 824.1**	**56 542.0**	**102 939.9**	**3 390.9**	**1**	**1**	**4**	**Pa.**
85.1	**1 499.0**	**59.3**	**114.3**	**933.7**	**4 950.0**	**8 316.6**	**13 239.5**	**304.4**	**1**	**1**	**5**	**20**
13.6	215.9	11.0	21.0	152.9	493.7	1 934.0	2 418.8	42.8	2	4	14	201
8.0	144.9	4.6	9.6	76.5	385.1	1 350.0	1 731.0	26.7	2	5	18	202
11.7	190.2	9.7	18.0	141.1	783.1	1 072.1	1 853.7	34.2	3	2	9	203
4.8	99.4	3.1	6.1	59.3	464.9	871.8	1 339.9	35.3	9	2	2	204
16.1	289.8	10.3	19.4	170.5	813.6	524.0	1 335.6	28.5	4	3	8	205
13.6	244.1	10.6	20.3	173.8	927.9	1 041.0	1 957.6	54.5	1	1	12	206
8.8	178.8	4.4	8.7	80.7	553.5	840.3	1 390.9	46.8	3	5	6	208
7.8	120.2	5.4	10.3	70.9	483.8	571.2	1 055.7	30.9	3	1	8	209
40.0	**498.7**	**32.6**	**60.8**	**353.8**	**987.1**	**1 230.8**	**2 234.0**	**41.2**	**2**	**2**	18	**22**
4.0	50.4	3.5	6.8	40.2	103.2	124.4	230.4	4.6	8	12	27	222
22.5	266.7	17.9	32.8	181.4	559.7	674.6	1 244.3	20.8	1	1	7	225
3.0	32.7	2.7	5.0	25.8	54.8	71.1	127.4	2.4	13	7	41	228
3.2	41.0	2.6	4.6	28.5	93.1	112.2	205.7	6.7	3	10	45	229
116.1	**1 101.1**	**103.4**	**179.5**	**866.9**	**2 064.4**	**1 471.7**	**3 552.0**	**36.3**	**2**	**3**	**12**	**23**
16.1	195.6	14.2	24.7	153.6	380.3	287.2	672.1	4.7	3	3	13	231
16.6	159.7	15.0	24.9	128.5	330.5	202.0	535.1	5.2	5	4	33	232
54.4	464.0	49.0	84.8	373.6	818.2	552.8	1 374.6	16.3	3	4	16	233
9.0	84.2	8.1	14.5	67.0	149.5	110.2	262.4	2.1	1	1	12	234
8.8	76.8	7.8	14.1	58.9	153.5	80.3	232.0	1.9	3	14	35	236
2.7	25.7	2.3	4.3	19.3	54.5	54.8	110.5	9	3	6	52	238
7.4	81.5	6.0	10.5	56.2	159.1	160.3	320.9	4.3	11	14	51	239
17.0	**235.1**	**13.6**	**25.8**	**169.3**	**483.1**	**640.0**	**1 131.4**	**22.8**	**3**	**7**	**34**	**24**
4.4	52.1	3.8	7.1	41.6	93.2	147.0	248.5	8.1	6	17	40	242
5.9	90.1	4.4	9.0	64.6	196.2	185.7	377.9	5.4	5	8	27	243
2.6	40.3	2.0	3.4	25.3	85.3	146.1	229.9	1.0	4	6	26	245
18.9	**299.4**	**14.3**	**27.2**	**200.0**	**638.0**	**526.2**	**1 160.5**	**33.9**	**4**	**7**	**17**	**25**
7.7	99.3	6.1	11.3	69.7	200.1	206.1	403.0	5.9	2	4	32	251
4.5	82.7	3.3	6.5	55.7	183.5	121.6	306.4	9.6	4	6	2	252
5.0	91.9	3.6	6.8	57.6	196.2	142.6	337.3	14.7	10	4	35	254
38.0	**780.6**	**28.8**	**57.6**	**533.7**	**2 284.4**	**2 967.9**	**5 254.6**	**155.0**	**3**	**1**	**6**	**26**
7.6	194.4	5.5	11.6	132.4	574.7	727.5	1 301.8	75.8	1	1	8	262
15.2	300.5	11.6	23.0	207.0	1 094.7	1 358.1	2 455.5	41.2	1	2	14	264
13.1	242.0	10.1	19.5	162.3	508.0	767.7	1 275.9	31.5	8	4	12	265
73.9	**1 276.1**	**43.0**	**79.7**	**683.5**	**2 938.1**	**1 817.2**	**4 770.5**	**164.0**	**4**	**2**	**29**	**27**
22.9	379.0	8.0	14.8	144.3	777.7	332.6	1 110.2	36.5	1	1	8	271
4.5	80.3	1.1	2.1	15.5	408.4	295.8	702.0	7.7	1	1	2	272
7.2	120.6	4.5	8.4	63.9	298.7	161.8	456.7	23.1	2	4	7	273
25.4	462.0	18.7	35.9	301.5	876.4	599.2	1 478.1	70.6	4	4	41	275
3.7	73.9	2.9	6.0	54.1	249.8	328.4	580.9	10.9	3	3	23	276
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	277
4.5	81.4	3.4	6.3	58.1	148.3	26.3	173.5	7.6	8	9	23	279
38.7	**938.3**	**22.7**	**43.6**	**473.1**	**3 865.9**	**3 210.1**	**7 128.0**	**289.2**	**1**	**1**	**3**	**28**
4.4	103.1	2.7	5.5	59.7	277.4	406.6	683.8	49.4	3	3	15	281
4.6	103.3	3.0	5.6	60.9	214.1	444.6	668.4	32.4	2	7	7	282
13.7	388.3	7.9	14.9	182.3	2 357.0	797.4	3 140.9	123.3	1	1	2	283
2.8	52.4	1.7	3.4	26.5	203.0	220.7	423.3	13.1	2	5	25	284
3.2	74.5	1.6	2.9	30.7	158.5	247.2	406.5	6.2	1	4	18	285
4.8	116.4	2.8	5.5	64.0	400.3	687.9	1 139.5	44.8	1	1	3	286
4.2	83.2	2.4	4.5	40.1	206.5	272.7	481.2	12.9	2	4	25	289
9.9	**280.6**	**6.3**	**12.8**	**169.5**	**671.0**	**9 475.4**	**10 410.3**	**139.0**	**1**	**2**	**4**	**29**
6.6	205.8	4.3	8.9	133.9	499.6	9 103.8	9 860.2	125.3	1	3	4	291
34.7	**592.4**	**26.6**	**50.6**	**390.7**	**1 290.9**	**1 361.3**	**2 660.2**	**139.4**	**3**	**4**	**33**	**30**
4.7	83.9	3.2	5.8	50.5	164.8	144.9	304.2	(D)	4	3	(X)	306
26.4	447.5	20.4	39.5	294.3	986.1	1 086.2	2 083.0	88.5	4	5	39	307
14.4	**152.0**	**12.8**	**22.4**	**118.1**	**289.8**	**350.2**	**643.9**	**8.2**	**2**	**4**	**24**	**31**
11.2	112.0	10.2	17.8	89.9	220.7	214.7	434.9	6.6	1	4	11	314

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Pa.	**Pennsylvania**—Con.										
32	**Stone, clay, and glass products**	**42.4**	**877.8**	**33.4**	**64.5**	**645.3**	**1 990.9**	**1 598.9**	**3 593.6**	**125.4**	**594.6**
322	Glass and glassware, pressed or blown	11.1	242.6	9.5	18.3	196.8	547.6	334.9	879.5	37.7	142.5
323	Products of purchased glass	5.3	107.6	4.0	7.6	77.7	232.4	212.6	434.6	12.6	79.2
325	Structural clay products	3.4	60.5	2.6	5.4	42.9	147.0	119.2	267.1	(D)	72.9
326	Pottery and related products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
327	Concrete, gypsum, and plaster products	7.4	135.8	5.6	10.6	90.7	309.0	322.8	632.8	24.2	52.6
329	Miscellaneous nonmetallic mineral products	6.8	146.9	5.1	9.8	96.9	345.2	270.7	609.8	29.3	130.4
33	**Primary metal industries**	**100.9**	**2 620.6**	**74.9**	**139.1**	**1 842.7**	**4 431.1**	**8 003.9**	**12 508.2**	**371.0**	**3 264.2**
331	Blast furnace and basic steel products	70.4	1 981.2	52.0	95.8	1 401.4	3 311.2	5 910.4	9 280.0	277.8	2 455.8
332	Iron and steel foundries	11.5	223.8	9.0	15.8	159.9	334.3	327.0	694.0	18.9	103.9
335	Nonferrous rolling and drawing	9.9	218.8	7.4	14.7	154.2	423.6	1 125.9	1 527.5	47.5	492.0
336	Nonferrous foundries	4.8	89.9	3.7	7.0	64.3	148.3	116.1	266.6	6.6	32.0
34	**Fabricated metal products**	**87.0**	**1 804.7**	**62.6**	**122.8**	**1 195.4**	**3 770.2**	**3 555.0**	**7 368.0**	**174.9**	**1 417.8**
342	Cutlery, hand tools, and hardware	5.9	106.1	4.5	9.2	71.6	226.0	146.4	370.0	8.8	94.5
343	Plumbing and heating, except electric	3.2	62.3	1.9	3.6	33.6	140.3	141.4	281.6	4.9	63.4
344	Fabricated structural metal products	27.5	546.4	19.0	35.8	335.2	1 123.7	1 292.1	2 470.6	36.1	445.5
345	Screw machine products, bolts, etc.	7.1	145.7	5.1	10.0	97.0	303.6	195.2	495.0	12.2	142.0
346	Metal forgings and stampings	14.3	357.9	11.2	22.2	265.9	635.3	653.1	1 296.5	26.1	203.8
347	Metal services, n.e.c.	3.8	61.8	2.6	7.1	55.4	109.3	97.9	206.5	13.2	31.0
348	Ordnance and accessories, n.e.c.	3.3	65.4	2.6	5.1	49.0	196.3	82.2	265.8	3.2	33.1
349	Miscellaneous fabricated metal products	19.7	397.7	13.7	25.7	240.1	876.4	690.0	1 565.5	60.5	356.7
35	**Machinery, except electrical**	**101.7**	**2 228.0**	**63.5**	**122.2**	**1 191.4**	**4 392.0**	**3 274.2**	**7 696.3**	**273.6**	**2 169.2**
351	Engines and turbines	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
352	Farm and garden machinery	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
353	Construction and related machinery	14.6	321.6	8.2	14.0	165.4	569.5	610.1	1 286.4	35.4	444.5
354	Metalworking machinery	14.1	318.6	9.9	19.7	195.3	539.8	299.9	902.4	27.2	207.9
355	Special industry machinery	10.2	221.5	6.2	12.2	118.2	444.4	324.0	770.9	14.2	205.4
356	General industrial machinery	21.9	491.9	13.8	27.2	272.8	1 044.0	687.9	1 767.0	59.2	565.8
357	Office and computing machines	6.7	169.3	2.7	5.2	47.1	287.0	254.3	518.3	30.5	163.7
358	Refrigeration and service machinery	9.3	193.5	5.6	10.1	100.2	415.0	418.1	834.5	10.2	170.0
359	Miscellaneous machinery, except electrical	16.4	282.2	12.9	26.0	190.7	612.0	306.5	886.3	70.4	140.7
36	**Electric and electronic equipment**	**92.3**	**1 886.9**	**64.1**	**123.5**	**1 123.0**	**4 472.3**	**3 057.3**	**7 475.9**	**439.2**	**1 633.4**
361	Electric distributing equipment	11.6	294.0	7.8	13.8	173.6	517.1	329.4	870.3	21.3	227.9
362	Electrical industrial apparatus	12.3	242.1	7.9	14.7	128.2	467.8	374.8	874.3	49.6	248.5
363	Household appliances	4.6	77.7	3.7	6.7	53.3	229.2	223.6	447.1	(D)	78.6
364	Electric lighting and wiring equipment	12.3	209.2	9.4	17.4	141.0	559.9	534.6	1 065.1	13.8	227.3
366	Communication equipment	14.4	312.0	7.8	15.8	137.2	587.2	418.4	1 038.7	54.7	250.0
367	Electronic components and accessories	28.9	602.5	21.6	43.7	393.8	1 752.4	857.8	2 506.6	261.7	468.0
369	Miscellaneous electrical equipment and supplies	6.2	117.7	4.3	8.2	71.4	280.1	233.6	510.2	24.1	115.5
37	**Transportation equipment**	**53.7**	**1 388.2**	**36.1**	**70.7**	**805.1**	**2 720.2**	**3 034.8**	**5 788.2**	**151.9**	**1 206.9**
371	Motor vehicles and equipment	20.3	484.5	15.8	32.9	361.9	923.7	1 706.7	2 630.7	18.0	334.9
372	Aircraft and parts	9.7	265.4	6.1	11.5	142.0	619.3	284.4	948.0	17.4	432.6
374	Railroad equipment	10.9	282.2	7.3	12.9	163.9	508.9	562.4	1 064.0	(D)	259.5
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
379	Miscellaneous transportation equipment	4.6	87.5	3.0	5.0	46.8	158.2	196.7	366.9	(D)	111.4
38	**Instruments and related products**	**34.9**	**771.2**	**19.7**	**37.9**	**363.1**	**1 791.8**	**902.9**	**2 720.9**	**109.4**	**633.3**
381	Engineering and scientific instruments	3.1	68.0	2.3	4.3	45.2	141.8	114.7	262.5	23.1	56.9
382	Measuring and controlling devices	16.5	380.6	8.9	16.6	169.7	773.5	321.6	1 119.6	24.0	307.7
384	Medical instruments and supplies	10.3	200.8	6.1	11.9	97.0	459.8	259.6	731.1	29.7	162.1
39	**Miscellaneous manufacturing industries**	**19.8**	**347.6**	**14.9**	**26.5**	**219.6**	**880.6**	**787.9**	**1 660.9**	**38.4**	**314.4**
394	Toys and sporting goods	4.3	58.5	3.5	6.2	41.7	183.4	166.6	351.0	5.4	80.9
399	Miscellaneous manufactures	11.2	224.1	8.1	14.2	135.0	546.4	470.3	1 004.4	27.0	167.7
—	**Auxiliaries**[2]	**93.7**	**2 817.4**	-	-	-	-	-	-	-	-
R.I.	**Rhode Island**	**114.5**	**1 859.4**	**84.9**	**163.8**	**1 130.3**	**4 043.1**	**4 134.7**	**8 222.7**	**189.4**	**1 373.9**
22	**Textile mill products**	**9.9**	**146.3**	**8.4**	**17.2**	**109.1**	**269.2**	**319.8**	**587.7**	**12.7**	**97.1**
23	**Apparel and other textile products**	**3.5**	**36.8**	**3.0**	**4.4**	**25.0**	**68.7**	**93.9**	**161.9**	**2.6**	**23.7**
26	**Paper and allied products**	**2.9**	**41.0**	**2.4**	**5.0**	**27.7**	**88.4**	**87.8**	**179.3**	**1.7**	**23.9**
27	**Printing and publishing**	**5.6**	**109.6**	**3.7**	**6.3**	**59.8**	**224.1**	**119.5**	**344.5**	**11.3**	**25.7**
28	**Chemicals and allied products**	**2.6**	**55.1**	**1.6**	**2.7**	**30.1**	**117.8**	**247.0**	**375.2**	**17.3**	**47.4**
30	**Rubber and miscellaneous plastics products**	**5.4**	**87.5**	**4.3**	**8.2**	**56.8**	**237.7**	**198.4**	**434.7**	**13.3**	**64.6**
307	Miscellaneous plastics products	4.8	78.5	3.8	7.2	50.6	204.8	177.3	382.5	13.2	52.6
33	**Primary metal industries**	**6.3**	**114.5**	**4.9**	**9.5**	**79.2**	**231.9**	**640.4**	**875.7**	**8.1**	**131.0**
335	Nonferrous rolling and drawing	4.9	90.3	3.8	7.5	60.7	128.2	343.0	481.3	5.3	94.0
34	**Fabricated metal products**	**16.4**	**290.3**	**13.2**	**26.6**	**200.3**	**553.3**	**543.7**	**1 098.7**	**19.6**	**167.4**
344	Fabricated structural metal products	7.1	151.7	5.5	11.7	104.4	286.3	316.7	599.9	5.3	79.8
347	Metal services, n.e.c.	2.8	34.3	2.5	4.7	23.6	73.0	52.2	123.3	3.4	10.1
349	Miscellaneous fabricated metal products	3.2	53.3	2.6	5.3	38.6	91.4	92.3	189.8	2.9	42.7

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Pa.
44.4	**877.0**	**34.7**	**66.2**	**648.7**	**1 877.6**	**1 573.4**	**3 452.5**	**158.9**	**2**	**2**	**10**	**32**
11.8	234.1	10.0	18.3	189.1	524.3	329.3	851.9	43.4	1	2	4	322
5.3	107.8	4.0	7.9	76.9	208.3	192.9	402.1	23.5	3	1	11	323
3.7	67.9	2.8	5.6	50.0	142.7	112.6	258.3	(D)	6	9	(X)	325
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	326
7.1	127.5	5.2	10.1	84.3	266.2	290.7	558.7	27.8	4	6	34	327
7.8	157.4	5.7	11.1	109.1	375.5	318.0	697.3	28.9	10	6	27	329
118.6	**3 135.6**	**84.9**	**151.7**	**2 177.4**	**4 209.1**	**8 583.5**	**13 578.5**	**654.6**	**1**	**1**	**2**	**33**
85.3	2 451.3	59.9	104.9	1 707.5	3 055.0	6 708.7	10 440.8	543.2	1	1	1	331
13.7	277.1	10.7	18.8	199.3	426.4	352.3	814.1	28.3	2	3	8	332
9.2	197.7	6.6	13.4	134.2	362.7	917.7	1 340.1	44.2	2	4	8	335
5.4	97.1	4.3	7.9	70.6	183.2	116.0	300.7	9.2	3	5	42	336
95.1	**1 873.7**	**68.9**	**130.7**	**1 232.0**	**3 697.6**	**3 766.8**	**7 585.1**	**233.3**	**2**	**2**	**9**	**34**
6.2	100.8	4.9	9.4	69.5	203.7	140.4	342.2	16.9	2	2	22	342
3.3	60.7	1.9	3.6	30.9	139.5	138.7	278.9	5.5	1	2	9	343
30.8	603.9	21.3	40.7	381.7	1 122.9	1 508.1	2 719.8	56.0	2	3	7	344
7.6	146.6	5.6	9.9	98.7	255.1	189.3	462.7	15.2	3	7	25	345
14.4	326.4	11.0	20.3	237.3	591.1	615.4	1 211.6	46.8	2	3	14	346
3.9	67.2	3.0	5.8	44.2	123.3	123.2	246.6	8.8	5	10	57	347
3.6	64.2	2.8	5.6	47.9	169.9	92.2	257.3	4.7	2	1	25	348
22.8	438.4	16.1	30.9	270.3	903.4	690.3	1 610.6	64.4	7	6	20	349
123.5	**2 559.8**	**76.9**	**147.2**	**1 414.1**	**5 246.0**	**3 721.4**	**9 052.9**	**321.0**	**2**	**3**	**19**	**35**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	351
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	352
20.4	431.6	12.0	20.6	231.6	852.6	803.7	1 736.8	51.1	1	3	47	353
17.7	381.1	12.4	24.2	244.1	711.7	382.9	1 115.0	42.7	5	7	21	354
10.7	221.7	6.5	13.0	117.4	465.4	345.4	806.2	23.0	2	2	15	355
25.5	552.9	16.2	32.1	313.1	1 181.7	800.3	2 022.2	79.5	2	2	7	356
9.9	174.9	4.1	8.0	56.3	380.4	225.7	588.4	42.5	2	2	2	357
10.2	214.6	6.1	11.8	109.6	471.8	423.8	884.8	12.8	1	4	13	358
16.5	284.2	13.3	25.7	205.3	531.2	276.1	807.3	38.8	10	16	70	359
94.5	**1 826.3**	**65.0**	**124.0**	**1 086.9**	**4 095.0**	**2 872.1**	**7 063.8**	**369.9**	**1**	**1**	**2**	**36**
13.9	337.6	9.4	18.7	210.0	755.8	364.1	1 153.0	25.4	1	1	1	361
13.3	258.3	8.1	16.1	133.0	523.4	386.2	919.2	44.3	1	2	5	362
4.4	69.1	3.5	6.4	45.3	171.8	197.3	382.1	(D)	1	2	(X)	363
13.2	213.8	10.2	18.6	146.7	490.3	494.0	998.2	19.3	2	2	5	364
10.6	197.3	5.6	11.2	83.5	401.9	276.7	672.3	20.8	2	4	11	366
30.1	591.7	22.0	40.6	371.0	1 412.4	824.1	2 245.8	219.8	2	2	1	367
6.8	126.7	4.5	8.9	73.1	282.4	241.2	529.7	22.6	2	4	4	369
60.3	**1 403.6**	**40.3**	**69.8**	**813.6**	**2 606.2**	**3 047.0**	**5 776.6**	**193.2**	**2**	**1**	**3**	**37**
22.0	462.2	16.6	28.0	338.3	866.6	1 487.3	2 381.8	30.5	4	2	6	371
10.7	270.5	6.7	12.5	146.0	528.1	402.6	888.9	34.2	3	4	20	372
13.3	289.8	8.8	14.0	166.1	538.2	563.0	1 188.8	(D)	1	1	(X)	374
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
5.1	94.8	3.7	6.3	64.3	189.4	249.3	463.9	(D)	2	3	(X)	379
37.8	**763.1**	**21.8**	**42.1**	**369.6**	**1 778.7**	**871.2**	**2 647.3**	**84.7**	**3**	**2**	**22**	**38**
3.4	66.1	2.4	4.6	43.1	170.0	92.0	252.3	7.7	8	18	62	381
18.9	399.0	10.2	20.0	182.7	841.4	355.8	1 205.8	37.4	1	1	5	382
10.3	189.3	6.3	11.8	94.4	441.2	247.6	683.9	26.9	1	2	22	384
19.2	**325.2**	**14.2**	**25.8**	**199.7**	**767.3**	**680.6**	**1 435.7**	**40.4**	**2**	**1**	**11**	**39**
3.7	49.8	2.9	5.6	33.6	159.0	138.4	300.7	8.9	1	2	5	394
10.8	206.9	7.6	13.3	119.1	450.4	368.1	823.8	22.0	3	2	15	399
97.7	**2 877.8**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	--
113.8	**1 759.5**	**82.6**	**157.4**	**1 051.9**	**3 792.7**	**3 833.2**	**7 651.7**	**183.8**	**1**	**2**	**14**	**R.I.**
10.2	**137.5**	**8.7**	**17.1**	**100.4**	**263.2**	**318.0**	**591.9**	**12.3**	**4**	**4**	**6**	**22**
3.3	**38.6**	**2.8**	**5.0**	**27.7**	**66.2**	**94.1**	**162.2**	**2.8**	**1**	**2**	**3**	**23**
2.2	**33.1**	**1.7**	**3.3**	**20.5**	**72.6**	**76.9**	**148.1**	**3.3**	**17**	**17**	**50**	**26**
5.8	**102.7**	**3.8**	**6.9**	**55.5**	**207.3**	**116.7**	**322.0**	**7.2**	**3**	**2**	**25**	**27**
2.9	**58.7**	**1.8**	**3.4**	**29.2**	**94.6**	**259.8**	**354.8**	**13.5**	**12**	**8**	**14**	**28**
5.6	**84.7**	**4.4**	**8.6**	**54.9**	**233.7**	**195.7**	**430.2**	**21.0**	**3**	**2**	**3**	**30**
4.9	75.2	3.9	7.7	48.8	202.8	170.5	373.5	19.6	4	3	3	307
6.8	**108.9**	**5.2**	**10.0**	**73.1**	**260.7**	**640.9**	**922.9**	**13.0**	**3**	**2**	**23**	**33**
5.3	85.7	3.9	7.6	56.4	154.7	347.6	529.7	10.3	1	1	1	335
15.4	**261.2**	**12.0**	**23.9**	**180.8**	**475.5**	**379.6**	**847.4**	**17.1**	**2**	**5**	**31**	**34**
5.9	117.5	4.5	9.5	83.4	216.9	150.3	366.5	5.5	3	6	6	344
2.5	31.3	2.1	4.0	22.0	57.8	43.6	102.1	2.9	6	8	43	347
3.8	61.5	2.9	5.4	40.1	113.7	110.6	216.7	5.0	6	15	5	349

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983: All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
R.I.	**Rhode Island**—Con.										
35	**Machinery, except electrical**	**6.8**	**132.6**	**4.4**	**8.5**	**71.0**	**211.9**	**158.5**	**394.2**	**7.7**	**119.7**
354	Metalworking machinery	3.1	65.4	2.1	4.0	36.4	113.9	64.4	181.1	(D)	67.2
36	**Electric and electronic equipment**	**9.8**	**166.8**	**6.3**	**13.0**	**82.8**	**373.4**	**202.3**	**598.6**	**43.6**	**58.8**
364	Electric lighting and wiring equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
366	Communication equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
367	Electronic components and accessories	3.1	37.4	2.3	5.2	22.9	64.7	60.7	144.9	27.1	17.8
37	**Transportation equipment**	**2.6**	**44.1**	**2.1**	**4.5**	**31.7**	**82.2**	**86.8**	**168.3**	**.9**	**31.2**
38	**Instruments and related products**	**5.8**	**100.2**	**3.8**	**7.5**	**53.7**	**244.8**	**147.4**	**383.2**	**10.8**	**96.7**
39	**Miscellaneous manufacturing industries**	**26.1**	**338.4**	**19.9**	**37.1**	**205.6**	**863.2**	**819.4**	**1 682.8**	**25.1**	**350.7**
391	Jewelry, silverware, and plated ware	8.7	118.9	6.7	12.1	72.7	215.1	383.7	593.8	10.9	189.5
396	Costume jewelry and notions	13.1	163.0	9.9	18.2	95.3	403.3	311.5	715.5	8.1	111.3
S.C.	**South Carolina**	**361.3**	**6 005.9**	**275.4**	**544.4**	**3 930.9**	**13 459.8**	**17 432.2**	**30 849.4**	**1 859.9**	**4 492.1**
20	**Food and kindred products**	**13.1**	**188.6**	**8.9**	**17.9**	**109.3**	**574.3**	**1 393.7**	**1 946.6**	**48.7**	**157.3**
201	Meat products	2.6	29.9	2.2	4.4	21.9	65.9	263.4	324.3	4.4	13.6
203	Preserved fruits and vegetables	3.1	41.9	2.8	5.7	34.1	109.6	231.1	340.6	21.7	36.2
22	**Textile mill products**	**111.2**	**1 620.0**	**97.0**	**191.9**	**1 296.0**	**3 048.9**	**5 013.5**	**8 057.6**	**370.6**	**1 002.2**
221	Weaving mills, cotton	15.3	223.2	14.0	26.9	192.0	341.5	503.3	849.7	41.8	133.1
222	Weaving mills, synthetics	50.2	724.9	45.0	87.2	603.3	1 296.3	1 960.8	3 260.1	169.2	381.8
225	Knitting mills	9.1	117.3	7.5	14.3	84.2	332.1	237.1	567.8	18.9	52.5
226	Textile finishing, except wool	17.0	278.1	13.6	29.4	205.2	491.9	1 207.6	1 695.1	62.6	205.1
228	Yarn and thread mills	9.6	131.6	8.6	17.4	108.1	242.8	576.4	815.7	48.5	74.4
229	Miscellaneous textile goods	5.1	81.0	4.1	8.5	55.2	189.1	260.6	446.6	22.3	75.5
23	**Apparel and other textile products**	**42.4**	**412.9**	**36.2**	**67.5**	**316.7**	**768.5**	**735.7**	**1 486.6**	**21.8**	**209.8**
232	Men's and boys' furnishings	9.9	91.7	8.4	16.1	70.4	186.5	171.6	350.5	5.3	53.3
233	Women's and misses' outerwear	14.6	141.3	12.8	23.0	110.5	204.9	100.4	304.4	10.2	25.7
234	Women's and children's undergarments	2.9	27.9	2.3	4.4	22.6	51.8	48.3	97.2	(D)	21.0
236	Children's outerwear	6.3	60.0	5.3	10.0	42.6	113.1	129.3	239.2	(D)	47.4
239	Miscellaneous fabricated textile products	6.5	69.1	5.4	10.1	52.3	165.1	262.6	426.2	2.0	49.1
24	**Lumber and wood products**	**14.1**	**182.1**	**12.0**	**23.4**	**140.4**	**399.3**	**855.3**	**1 241.8**	**27.9**	**140.4**
241	Logging camps and logging contractors	3.4	36.5	3.0	5.7	30.6	95.1	217.1	309.8	(D)	24.3
242	Sawmills and planing mills	4.0	55.9	3.5	7.0	43.0	112.1	249.7	360.0	(D)	40.8
243	Millwork, plywood, and structural members	4.1	55.4	3.4	6.6	41.3	114.0	236.3	345.0	(D)	44.8
25	**Furniture and fixtures**	**4.6**	**57.6**	**3.9**	**7.5**	**44.9**	**115.3**	**98.8**	**218.0**	**(D)**	**42.2**
251	Household furniture	3.7	45.1	3.3	6.1	36.6	92.1	77.3	173.2	(D)	27.6
26	**Paper and allied products**	**14.0**	**327.7**	**11.1**	**22.7**	**241.6**	**839.3**	**1 192.4**	**2 016.9**	**820.3**	**232.7**
264	Miscellaneous converted paper products	5.8	114.7	4.8	9.9	89.8	385.6	423.9	793.9	63.8	111.0
265	Paperboard containers and boxes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
27	**Printing and publishing**	**8.5**	**128.4**	**5.1**	**9.3**	**65.5**	**287.2**	**172.4**	**458.2**	**37.3**	**32.7**
271	Newspapers	3.8	51.4	1.6	2.7	18.9	136.9	43.9	180.8	11.3	8.0
275	Commercial printing	3.7	62.0	2.9	5.4	36.7	109.8	109.4	217.9	24.8	18.3
28	**Chemicals and allied products**	**33.1**	**832.9**	**20.6**	**41.5**	**422.7**	**2 760.0**	**2 912.9**	**5 665.5**	**143.0**	**597.4**
281	Industrial inorganic chemicals	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
282	Plastics materials and synthetics	17.8	405.7	13.0	25.1	255.7	1 376.1	1 952.8	3 318.6	86.5	339.0
286	Industrial organic chemicals	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
30	**Rubber and miscellaneous plastics products**	**16.2**	**340.5**	**11.1**	**25.9**	**211.2**	**861.5**	**820.4**	**1 684.6**	**34.8**	**242.2**
301	Tires and inner tubes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
306	Fabricated rubber products, n.e.c.	3.7	69.0	3.0	5.8	47.9	155.7	230.2	376.5	5.2	42.6
307	Miscellaneous plastics products	7.4	154.2	4.6	13.2	93.3	410.3	361.0	769.8	(D)	118.2
32	**Stone, clay, and glass products**	**10.9**	**206.3**	**7.6**	**16.2**	**147.4**	**523.1**	**363.3**	**870.4**	**31.6**	**111.7**
322	Glass and glassware, pressed or blown	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
327	Concrete, gypsum, and plaster products	2.5	39.8	1.8	3.5	28.8	87.5	98.0	182.4	.5	8.6
33	**Primary metal industries**	**6.1**	**136.7**	**4.9**	**9.6**	**102.5**	**212.4**	**746.8**	**1 012.5**	**31.6**	**246.8**
34	**Fabricated metal products**	**14.0**	**239.7**	**10.9**	**21.8**	**164.7**	**630.3**	**674.3**	**1 292.8**	**26.2**	**235.8**
342	Cutlery, hand tools, and hardware	3.2	47.0	2.6	4.6	31.7	122.5	74.0	197.2	(D)	54.0
344	Fabricated structural metal products	5.1	87.0	3.8	7.7	59.1	164.1	307.4	475.2	5.5	88.5
349	Miscellaneous fabricated metal products	2.6	44.6	2.1	4.0	32.0	166.6	92.8	252.5	(D)	48.3
35	**Machinery, except electrical**	**25.7**	**479.0**	**18.4**	**35.6**	**290.0**	**1 051.6**	**1 095.0**	**2 172.1**	**67.4**	**648.9**
354	Metalworking machinery	4.0	70.9	3.0	5.8	42.2	222.0	149.9	363.6	14.3	67.0
355	Special industry machinery	6.3	111.0	4.4	8.5	68.7	184.9	142.1	333.4	14.7	79.6
356	General industrial machinery	4.8	89.8	3.8	7.3	61.0	204.3	201.2	419.4	14.8	122.5

See footnotes at end of table.

explanation of terms, see appendixes]

1982												
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Standard error of estimate (percent) for column[1]—			State and SIC code
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												R.I.
7.9	**143.2**	**5.0**	**9.5**	**77.2**	**275.6**	**167.1**	**429.9**	**13.7**	**2**	**3**	**12**	**35**
3.8	72.8	2.3	4.5	40.0	148.0	56.3	191.7	(D)	2	2	(X)	354
8.9	**148.2**	**5.2**	**9.7**	**68.7**	**309.8**	**179.3**	**495.4**	**23.2**	**6**	**4**	**51**	**36**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	364
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	366
2.6	31.9	1.5	2.8	14.5	55.6	43.1	102.1	6.1	18	16	79	367
2.5	**42.2**	**2.0**	**4.3**	**29.5**	**92.5**	**87.7**	**182.0**	**3.0**	**4**	**2**	**25**	**37**
5.7	**87.1**	**3.9**	**7.5**	**48.7**	**218.5**	**114.5**	**342.2**	**6.8**	**1**	**1**	**8**	**38**
25.9	**332.5**	**19.4**	**35.8**	**201.8**	**858.5**	**743.4**	**1 596.3**	**29.7**	**2**	**3**	**45**	**39**
9.2	125.2	6.8	12.7	72.5	315.1	388.8	687.8	10.5	2	8	12	391
12.4	151.7	9.1	16.9	90.2	345.0	232.2	591.8	9.4	4	4	135	396
387.5	**5 539.5**	**279.4**	**522.2**	**3 576.4**	**12 218.7**	**15 500.1**	**27 835.8**	**1 503.0**	**1**	**1**	**2**	**S.C.**
12.2	**165.4**	**8.1**	**16.2**	**93.0**	**534.8**	**1 134.3**	**1 668.4**	**36.5**	**2**	**2**	**11**	**20**
2.5	28.6	2.1	4.2	20.6	64.9	253.1	317.9	6.4	1	4	26	201
2.2	29.1	1.9	3.9	23.3	89.0	171.6	260.5	10.5	1	1	1	203
113.3	**1 452.8**	**98.0**	**182.2**	**1 147.2**	**2 815.5**	**4 381.7**	**7 254.2**	**270.4**	**1**	**1**	**6**	**22**
16.8	219.6	15.4	27.9	185.5	350.8	471.4	821.2	46.7	1	2	6	221
52.4	655.5	46.9	84.9	537.7	1 279.3	1 663.3	2 951.3	114.6	1	2	1	222
9.0	99.3	7.3	12.4	66.8	280.2	215.6	500.3	13.9	1	1	1	225
16.0	233.2	13.0	25.6	171.0	397.4	1 068.9	1 500.1	32.3	2	4	7	226
9.4	114.6	8.3	15.6	92.4	213.4	495.8	715.6	23.3	6	5	44	228
5.1	74.1	4.0	8.1	50.5	163.6	252.7	416.4	30.3	1	1	1	229
45.7	**413.2**	**39.0**	**69.4**	**317.0**	**776.1**	**717.2**	**1 503.9**	**21.6**	**2**	**3**	**31**	**23**
10.0	85.9	8.6	14.5	66.2	182.5	151.4	335.6	5.8	4	6	3	232
15.2	125.6	13.2	23.4	97.0	186.5	128.3	315.6	3.2	4	6	65	233
2.5	23.7	2.1	3.9	17.5	50.4	41.3	89.2	(D)	1	3	(X)	234
6.6	59.4	5.7	10.4	44.4	123.0	120.6	246.5	(D)	3	2	(X)	236
8.4	91.8	7.0	12.3	70.5	170.9	231.1	408.8	6.1	1	1	2	239
13.0	**160.6**	**10.8**	**20.2**	**120.8**	**311.1**	**746.4**	**1 060.8**	**39.2**	**2**	**4**	**22**	**24**
3.3	34.9	2.8	4.7	29.0	77.8	209.9	289.3	(D)	5	10	(X)	241
3.7	49.6	3.2	6.4	37.1	96.3	212.6	308.1	(D)	3	7	(X)	242
3.5	45.6	2.9	5.4	33.0	74.2	197.5	272.6	(D)	4	6	(X)	243
4.3	**51.5**	**3.6**	**6.8**	**38.9**	**106.8**	**92.3**	**195.8**	**(D)**	**1**	**3**	**(X)**	**25**
3.4	39.5	3.0	5.5	31.1	80.8	70.0	148.3	(D)	1	2	(X)	251
11.8	**257.7**	**9.3**	**17.8**	**185.9**	**699.9**	**1 032.3**	**1 714.4**	**291.8**	**9**	**4**	**2**	**26**
4.1	78.9	3.3	6.7	61.5	270.7	302.3	572.8	47.3	20	9	15	264
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	265
8.2	**113.6**	**4.8**	**8.7**	**59.4**	**266.0**	**138.1**	**403.7**	**29.0**	**4**	**4**	**20**	**27**
3.8	49.8	1.6	2.7	18.2	122.4	45.1	167.4	17.0	2	1	3	271
3.4	49.8	2.5	4.8	32.7	103.5	74.8	177.9	10.6	8	9	29	275
33.4	**769.2**	**20.8**	**40.3**	**393.2**	**2 504.9**	**2 548.3**	**5 106.4**	**206.3**	**1**	**1**	**2**	**28**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	281
17.9	383.3	13.0	24.3	237.9	1 047.8	1 625.9	2 681.4	142.6	1	1	1	282
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	286
17.2	**330.9**	**12.9**	**26.2**	**213.9**	**738.2**	**784.2**	**1 549.6**	**72.7**	**4**	**5**	**3**	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	301
3.9	67.0	3.1	6.1	47.2	156.0	225.9	376.9	6.0	3	2	3	306
8.4	151.2	6.4	13.3	97.7	398.8	344.1	752.3	(D)	9	10	(X)	307
9.2	**164.3**	**7.0**	**13.5**	**115.8**	**384.9**	**285.4**	**678.7**	**101.4**	**13**	**5**	**25**	**32**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	322
2.4	34.1	1.7	3.3	22.4	71.1	77.7	149.5	5.9	6	12	59	327
6.6	**137.0**	**5.2**	**9.7**	**99.8**	**257.6**	**789.0**	**1 009.9**	**27.6**	**3**	**5**	**37**	**33**
13.3	**216.3**	**10.2**	**19.9**	**148.4**	**536.9**	**617.1**	**1 163.5**	**42.0**	**5**	**3**	**11**	**34**
2.6	37.5	2.1	3.8	26.2	108.3	45.0	156.1	(D)	14	10	(X)	342
5.0	83.7	3.7	7.2	55.0	176.7	303.9	489.2	10.3	2	5	12	344
2.1	35.9	1.7	3.5	25.4	96.6	86.8	183.9	(D)	3	3	(X)	349
28.2	**472.3**	**19.4**	**35.0**	**274.9**	**1 058.6**	**928.0**	**1 989.0**	**99.6**	**1**	**2**	**11**	**35**
4.3	69.8	3.1	5.9	41.0	204.2	122.2	327.0	10.7	5	7	48	354
6.8	108.4	4.6	8.5	65.1	202.4	139.5	343.6	17.5	1	5	11	355
5.6	91.1	4.1	7.2	58.3	226.8	176.7	409.6	34.1	3	4	3	356

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
S.C.	**South Carolina**—Con.										
36	**Electric and electronic equipment**	21.1	335.9	15.9	31.0	219.7	775.6	699.0	1 465.1	100.9	365.2
362	Electrical industrial apparatus	2.8	56.6	1.6	3.3	27.9	118.7	112.2	232.6	61.9	67.1
363	Household appliances	3.2	41.7	2.6	4.9	29.4	107.9	141.8	256.5	5.6	66.8
367	Electronic components and accessories	8.0	124.3	6.0	12.5	85.7	244.3	215.7	446.3	23.2	124.1
369	Miscellaneous electrical equipment and supplies	2.9	44.7	2.5	4.4	29.8	129.3	115.7	241.9	(D)	35.1
37	**Transportation equipment**	4.6	86.1	3.5	7.2	53.8	216.0	265.7	463.3	(D)	100.7
38	**Instruments and related products**	6.3	105.4	4.8	9.0	67.6	255.1	214.8	473.7	(D)	80.7
384	Medical instruments and supplies	3.5	58.9	2.7	5.1	37.5	154.9	143.3	294.8	(D)	44.8
39	**Miscellaneous manufacturing industries**	3.4	43.6	2.8	5.0	28.0	107.7	91.2	197.0	(D)	39.8
--	Auxiliaries[2]	11.2	267.7	-	-	-	-	-	-	-	-
S. Dak.	**South Dakota**	25.9	413.5	19.1	38.0	266.0	1 263.1	1 886.9	3 152.0	83.5	300.1
20	**Food and kindred products**	7.6	156.1	5.8	11.4	110.4	496.2	1 209.6	1 704.2	34.9	54.6
201	Meat products	4.4	102.9	3.6	7.2	82.1	312.2	843.9	1 154.6	1.7	33.2
35	**Machinery, except electrical**	4.2	68.4	3.0	5.5	42.0	130.5	197.8	324.7	9.3	84.6
Tenn.	**Tennessee**	457.4	7 793.6	336.5	646.1	4 899.7	19 868.3	24 420.9	44 185.3	1 219.0	6 468.3
20	**Food and kindred products**	35.3	645.6	22.6	44.5	349.4	2 357.6	4 678.4	7 018.4	210.3	606.4
201	Meat products	6.0	93.6	4.9	9.5	65.9	235.5	894.4	1 129.4	6.9	42.3
202	Dairy products	2.8	53.6	1.6	3.3	23.3	156.2	515.7	675.2	6.8	25.2
203	Preserved fruits and vegetables	3.6	48.8	2.7	4.8	31.8	188.7	225.4	414.0	3.6	39.0
204	Grain mill products	3.7	79.5	2.7	5.5	56.3	484.4	840.6	1 319.1	(D)	80.2
205	Bakery products	7.2	138.7	3.7	7.7	57.6	294.6	244.4	537.5	13.6	14.0
208	Beverages	5.6	111.7	2.3	4.2	39.2	527.0	606.8	1 135.4	22.3	237.3
22	**Textile mill products**	24.9	309.7	22.0	43.3	245.6	631.3	866.6	1 486.6	24.7	206.8
225	Knitting mills	12.7	139.4	11.1	21.5	110.8	300.0	251.6	545.5	7.3	94.7
228	Yarn and thread mills	4.4	51.0	4.1	7.5	42.7	88.5	184.1	272.2	6.8	26.4
23	**Apparel and other textile products**	61.3	560.0	51.5	94.3	411.1	1 273.1	984.7	2 234.9	26.3	330.8
231	Men's and boys' suits and coats	3.5	39.1	3.2	5.4	31.9	55.1	37.2	91.5	1.2	15.4
232	Men's and boys' furnishings	32.3	302.6	26.1	48.5	213.6	838.9	660.4	1 480.3	12.1	220.8
233	Women's and misses' outerwear	17.7	142.9	15.6	29.4	115.0	229.2	113.0	339.2	10.8	41.4
239	Miscellaneous fabricated textile products	3.0	29.7	2.5	4.2	20.8	76.4	120.0	195.3	(D)	33.0
24	**Lumber and wood products**	14.6	169.4	12.5	23.7	130.0	331.5	483.1	814.4	11.3	138.7
242	Sawmills and planing mills	6.7	77.2	5.8	11.2	61.0	173.3	224.1	392.2	7.7	71.7
243	Millwork, plywood, and structural members	2.9	32.9	2.4	4.6	24.2	55.6	80.5	139.2	1.4	21.3
25	**Furniture and fixtures**	22.0	271.5	18.5	33.8	196.4	586.9	603.1	1 198.5	16.6	168.1
251	Household furniture	17.3	206.8	14.9	26.8	152.3	452.7	443.0	903.6	10.3	115.7
26	**Paper and allied products**	16.2	352.0	12.3	26.0	249.8	1 121.5	1 287.1	2 426.8	55.4	257.3
262	Paper mills, except building paper	2.9	90.9	2.3	5.0	70.8	342.1	300.2	644.1	14.7	59.6
264	Miscellaneous converted paper products	7.2	129.3	5.4	10.9	85.7	425.4	450.4	885.8	17.6	111.7
265	Paperboard containers and boxes	4.5	79.8	3.5	7.0	53.4	181.4	316.4	495.8	(D)	48.3
27	**Printing and publishing**	28.7	457.7	17.5	33.3	247.5	1 093.6	677.6	1 737.1	43.8	165.1
271	Newspapers	7.8	99.6	2.5	4.1	26.7	272.4	80.0	352.3	3.8	7.9
273	Books	6.1	99.1	3.6	7.5	59.9	262.8	144.4	381.1	6.5	78.2
275	Commercial printing	9.5	178.2	7.7	14.9	114.0	374.0	331.0	695.9	24.0	57.2
28	**Chemicals and allied products**	48.1	1 209.6	29.4	57.6	643.3	3 211.1	3 770.7	6 948.8	230.6	859.9
281	Industrial inorganic chemicals	16.1	425.7	8.5	17.7	206.8	1 286.3	779.3	2 060.8	38.1	88.9
282	Plastics materials and synthetics	16.4	417.0	11.0	20.6	242.5	687.7	1 500.9	2 180.8	70.1	289.2
283	Drugs	3.1	57.8	1.7	3.3	25.3	284.5	132.8	414.9	(D)	73.5
286	Industrial organic chemicals	6.3	179.8	3.9	7.6	97.6	466.0	828.2	1 293.4	(D)	254.9
289	Miscellaneous chemical products	2.6	57.0	1.7	3.3	31.6	128.1	155.1	279.7	4.9	53.5
30	**Rubber and miscellaneous plastics products**	19.2	384.3	15.1	30.5	260.6	989.9	1 052.2	2 079.5	55.1	228.1
301	Tires and inner tubes	4.6	136.2	3.6	7.7	101.9	374.1	339.1	749.1	19.3	61.1
306	Fabricated rubber products, n.e.c.	3.7	61.6	3.0	6.0	43.1	117.2	209.2	328.5	5.6	34.8
307	Miscellaneous plastics products	10.2	153.2	7.9	15.6	105.8	464.5	456.8	921.8	27.3	114.1
31	**Leather and leather products**	13.6	144.7	11.5	19.2	101.6	399.3	306.3	700.7	6.7	108.6
314	Footwear, except rubber	9.4	91.1	8.6	13.9	74.9	273.5	193.3	470.5	3.6	66.3
316	Luggage	2.6	36.0	1.8	3.0	15.3	76.7	43.9	118.6	1.8	14.4
32	**Stone, clay, and glass products**	13.4	260.4	11.0	23.1	201.8	628.5	511.5	1 156.1	84.9	143.9
321	Flat glass	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
322	Glass and glassware, pressed or blown	3.4	69.5	3.0	5.8	58.1	156.5	130.9	292.5	2.7	36.1
327	Concrete, gypsum, and plaster products	3.0	44.0	2.5	5.7	32.9	81.3	122.1	219.5	10.2	13.3
33	**Primary metal industries**	13.8	324.4	11.4	22.0	253.2	538.4	1 567.2	2 191.0	69.2	463.5
332	Iron and steel foundries	4.2	73.6	3.5	6.6	55.6	132.4	130.1	266.2	4.1	44.5
335	Nonferrous rolling and drawing	4.7	136.4	4.0	7.8	113.8	97.0	859.6	1 020.1	(D)	280.3
34	**Fabricated metal products**	30.3	532.0	23.4	45.8	363.3	1 126.8	1 172.8	2 312.6	35.3	406.9
342	Cutlery, hand tools, and hardware	3.9	67.4	2.9	5.5	42.2	137.6	102.1	249.8	6.4	63.5
344	Fabricated structural metal products	11.7	217.5	8.7	16.2	142.9	410.2	479.4	890.0	10.9	139.2
349	Miscellaneous fabricated metal products	5.8	93.8	4.6	8.7	64.2	237.5	210.7	446.9	8.2	101.4

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ —			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												S.C.
22.3	**331.6**	**16.6**	**31.9**	**209.3**	**692.9**	**689.6**	**1 385.8**	**167.7**	**1**	**2**	**3**	**36**
2.8	52.4	1.7	3.4	26.2	93.1	104.0	201.2	66.5	1	10	4	362
3.4	38.7	2.7	5.0	26.8	103.9	141.8	249.6	7.5	1	1	1	363
8.7	128.5	6.4	13.1	82.5	215.2	174.7	381.9	79.9	2	2	3	367
2.8	41.9	2.3	4.2	27.0	103.5	140.1	244.9	(D)	2	1	(X)	369
4.9	**81.9**	**3.7**	**7.4**	**53.5**	**172.7**	**208.4**	**382.2**	**(D)**	**3**	**4**	**(X)**	**37**
6.3	**95.7**	**4.7**	**9.5**	**62.7**	**224.7**	**215.3**	**442.3**	**(D)**	**1**	**3**	**(X)**	**38**
3.4	51.4	2.7	5.4	34.7	118.5	143.4	267.9	(D)	1	1	(X)	384
4.1	**50.0**	**3.3**	**5.9**	**33.5**	**102.6**	**108.1**	**212.1**	**(D)**	**6**	**4**	**(X)**	**39**
12.2	260.3	-	-	-	-	-	-	-	1	(X)	(X)	--
24.5	**397.9**	**17.5**	**32.6**	**261.9**	**1 100.2**	**1 905.1**	**3 005.2**	**62.3**	**3**	**4**	**22**	**S. Dak.**
7.5	**151.5**	**5.5**	**10.1**	**109.8**	**422.5**	**1 276.8**	**1 701.6**	**20.5**	**5**	**8**	**47**	**20**
4.5	105.7	3.5	6.4	84.1	285.4	688.2	1 174.9	3.3	1	1	1	201
4.1	**64.4**	**2.8**	**5.1**	**39.3**	**116.5**	**183.7**	**304.8**	**7.4**	**3**	**7**	**8**	**35**
461.6	**7 377.7**	**337.5**	**629.8**	**4 602.9**	**17 822.9**	**22 634.9**	**40 776.5**	**2 061.5**	**1**	**1**	**3**	**Tenn**
36.3	**618.0**	**23.4**	**44.7**	**335.3**	**2 160.8**	**4 397.6**	**6 557.2**	**321.5**	**1**	**2**	**9**	**20**
6.7	100.7	5.4	10.2	69.9	198.7	930.0	1 126.0	7.7	1	1	2	201
2.9	51.4	1.5	3.1	22.3	175.7	506.9	684.9	9.1	6	10	42	202
3.6	46.5	2.8	5.2	30.4	167.1	239.8	406.9	8.3	1	2	3	203
3.7	72.3	2.8	5.5	52.7	431.0	777.7	1 198.0	(D)	2	2	(X)	204
7.3	126.9	3.8	7.3	51.8	287.4	228.8	516.2	27.2	2	3	9	205
5.6	108.6	2.4	4.3	39.3	450.7	593.1	1 043.7	25.7	1	1	18	208
24.1	**278.5**	**21.2**	**39.7**	**222.4**	**557.7**	**816.8**	**1 378.4**	**37.4**	**2**	**3**	**7**	**22**
12.6	127.3	10.9	20.2	100.8	270.6	244.5	513.9	10.0	3	5	12	225
3.8	46.2	3.5	6.4	39.2	73.8	166.7	241.5	6.7	1	1	1	228
58.8	**525.1**	**51.0**	**90.4**	**402.1**	**1 142.3**	**964.2**	**2 135.3**	**31.0**	**1**	**2**	**3**	**23**
4.1	41.9	3.7	6.4	35.6	65.0	30.2	95.5	1.6	3	8	13	231
30.7	284.5	26.1	46.1	211.6	743.3	636.0	1 405.8	18.4	1	1	5	232
15.9	128.8	14.3	26.3	104.4	200.6	124.5	326.9	5.7	2	1	1	233
2.6	25.4	2.2	4.0	17.9	52.1	124.1	176.1	(D)	4	16	(X)	239
14.1	**155.2**	**12.1**	**22.1**	**119.7**	**266.0**	**428.2**	**699.7**	**19.2**	**3**	**7**	**17**	**24**
6.8	75.2	6.0	11.3	60.3	129.4	194.4	325.1	10.6	4	12	25	242
2.2	24.0	1.8	3.1	17.2	43.5	62.1	105.8	1.8	3	7	25	243
21.0	**240.4**	**17.6**	**32.3**	**171.3**	**516.5**	**510.8**	**1 032.3**	**15.9**	**4**	**7**	**8**	**25**
16.2	180.4	13.8	25.3	131.1	377.7	351.8	733.2	11.7	6	8	13	251
17.1	**339.7**	**12.9**	**26.4**	**238.1**	**1 054.7**	**1 225.8**	**2 278.1**	**109.2**	**2**	**2**	**5**	**26**
3.0	87.1	2.4	5.1	67.7	320.6	301.0	614.8	38.1	1	1	1	262
7.5	122.2	5.6	11.2	80.2	408.1	402.2	812.4	35.0	3	2	6	264
4.7	79.6	3.5	6.9	52.9	167.5	305.6	473.0	(D)	2	6	(X)	265
27.7	**412.2**	**16.1**	**30.1**	**224.7**	**906.4**	**586.2**	**1 494.8**	**49.5**	**2**	**3**	**21**	**27**
7.7	94.5	2.6	4.5	29.8	245.8	79.9	325.8	11.0	1	1	7	271
5.2	80.1	3.5	6.5	48.7	158.1	107.2	269.8	5.8	1	2	1	273
8.7	148.3	6.9	13.3	106.0	299.8	279.9	579.7	20.9	5	8	36	275
50.3	**1 180.9**	**30.8**	**59.6**	**626.5**	**3 024.0**	**3 693.6**	**6 697.6**	**471.4**	**1**	**1**	**1**	**28**
16.4	404.2	8.8	18.1	194.7	1 336.6	700.3	2 041.0	62.7	1	1	1	281
17.4	415.9	12.1	22.4	250.6	606.2	1 457.0	2 100.3	86.1	1	1	1	282
3.1	49.6	1.8	2.9	20.8	244.6	101.6	364.1	(D)	1	1	(X)	283
6.8	188.4	3.8	7.4	90.9	386.1	903.2	1 198.6	(D)	1	1	(X)	286
2.6	52.6	1.6	3.1	28.1	129.1	138.8	269.5	3.7	2	6	9	289
19.2	**338.1**	**14.9**	**28.5**	**238.1**	**943.3**	**979.2**	**1 937.7**	**53.2**	**2**	**2**	**8**	**30**
5.7	141.2	4.4	8.5	103.4	396.7	365.8	776.0	12.4	1	1	1	301
3.5	53.6	2.7	5.1	34.8	118.2	184.2	301.0	8.3	2	2	4	306
9.3	132.2	7.3	13.9	92.6	405.2	391.5	798.2	30.8	4	4	15	307
15.2	**147.0**	**13.1**	**20.3**	**105.9**	**396.4**	**292.2**	**702.7**	**10.5**	**1**	**1**	**5**	**31**
10.8	96.2	9.8	14.7	77.6	278.1	185.1	478.5	6.1	1	1	1	314
2.8	32.8	1.9	3.0	16.2	72.1	42.7	112.7	3.5	1	1	1	316
13.7	**251.6**	**11.0**	**21.3**	**180.9**	**574.6**	**489.9**	**1 067.8**	**34.0**	**3**	**4**	**9**	**32**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	321
3.4	66.8	2.9	5.7	55.3	148.7	123.8	272.8	7.7	1	1	1	322
2.9	43.9	2.1	4.2	28.1	95.6	113.5	209.4	7.3	13	30	72	327
14.4	**325.3**	**11.7**	**22.3**	**247.9**	**430.4**	**1 444.1**	**1 935.7**	**96.2**	**1**	**2**	**3**	**33**
4.2	70.1	3.6	6.7	52.7	122.1	123.8	245.1	7.7	1	2	30	332
4.7	136.4	3.9	7.4	109.4	76.3	731.5	854.7	(D)	2	9	(X)	335
30.5	**512.3**	**23.2**	**43.6**	**339.1**	**1 063.5**	**1 112.2**	**2 195.2**	**59.3**	**2**	**2**	**9**	**34**
3.9	62.4	2.8	5.3	36.9	172.8	110.9	266.8	6.5	2	5	10	342
12.8	232.6	9.5	17.8	149.3	410.6	500.7	922.8	17.0	3	4	19	344
5.4	84.4	4.1	7.7	55.5	196.8	193.5	405.3	18.2	6	3	19	349

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983 All employees Number (1,000)	All employees Payroll (million dollars)	Production workers Number (1,000)	Production workers Hours (millions)	Production workers Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Tenn.	**Tennessee**—Con.										
35	**Machinery, except electrical**	**26.8**	**502.1**	**19.9**	**38.6**	**319.8**	**1 655.1**	**1 237.6**	**2 879.1**	**74.6**	**615.6**
356	General industrial machinery	4.3	76.2	3.1	5.7	48.3	173.3	152.6	323.8	23.5	96.6
358	Refrigeration and service machinery	8.2	140.6	6.5	12.2	101.1	544.6	591.9	1 145.5	13.7	184.4
359	Miscellaneous machinery, except electrical	4.4	72.1	3.5	7.1	49.8	164.5	78.8	241.5	7.6	22.9
36	**Electric and electronic equipment**	**36.3**	**596.0**	**27.4**	**51.4**	**392.9**	**1 544.5**	**2 384.5**	**3 944.4**	**72.4**	**727.8**
362	Electrical industrial apparatus	6.7	114.9	5.7	10.2	88.8	234.4	305.9	572.7	9.2	200.8
363	Household appliances	11.6	179.8	9.5	18.3	123.0	459.5	678.3	1 129.8	25.2	218.1
364	Electric lighting and wiring equipment	2.8	48.9	2.3	4.4	36.4	133.1	107.8	240.3	6.3	41.3
365	Radio and TV receiving equipment	5.5	86.3	3.5	6.1	50.3	374.9	929.6	1 317.6	13.0	142.1
366	Communication equipment	4.1	78.2	2.2	4.2	37.3	131.2	129.1	257.5	6.1	60.1
37	**Transportation equipment**	**24.9**	**537.4**	**18.8**	**38.7**	**385.4**	**1 409.3**	**1 371.6**	**2 822.0**	**160.9**	**892.9**
371	Motor vehicles and equipment	15.0	304.4	11.4	21.6	215.9	759.1	934.1	1 678.6	(D)	319.0
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
375	Motorcycles, bicycles, and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**5.0**	**91.8**	**2.9**	**5.3**	**38.2**	**253.3**	**118.0**	**368.7**	**7.5**	**87.4**
39	**Miscellaneous manufacturing industries**	**9.5**	**131.3**	**6.9**	**13.4**	**79.2**	**394.9**	**324.5**	**707.1**	**18.8**	**131.9**
399	Miscellaneous manufactures	4.1	59.4	2.7	5.2	32.7	189.1	145.3	331.7	8.8	47.0
—	**Auxiliaries**	**11.0**	**283.9**	-	-	-	-	-	-	-	-
Tex.	**Texas**	**990.3**	**21 293.0**	**615.2**	**1 204.0**	**10 793.8**	**51 736.9**	**113 283.3**	**166 522.1**	**5 429.4**	**21 624.1**
20	**Food and kindred products**	**94.8**	**1 498.2**	**55.3**	**113.2**	**886.5**	**5 705.3**	**11 765.3**	**17 424.1**	**431.8**	**1 099.0**
201	Meat products	19.9	303.9	16.6	34.8	234.1	763.0	4 797.5	5 546.7	25.8	131.1
202	Dairy products	6.7	121.7	3.2	6.7	50.6	361.5	1 115.5	1 492.0	21.5	50.7
203	Preserved fruits and vegetables	6.7	112.0	5.5	11.8	83.4	498.8	669.8	1 165.7	18.1	181.9
204	Grain mill products	6.4	110.3	4.5	9.1	66.6	456.6	1 192.8	1 645.5	28.3	228.6
205	Bakery products	12.7	231.9	6.7	13.5	110.5	661.5	429.7	1 092.9	24.4	33.3
206	Sugar and confectionery products	3.1	62.8	2.6	5.2	46.3	341.7	490.6	814.0	19.9	96.9
207	Fats and oils	3.4	61.0	2.5	5.4	41.1	250.7	555.8	792.8	14.7	144.2
208	Beverages	15.2	336.0	5.8	12.0	135.1	1 502.6	1 564.2	3 069.4	250.0	125.8
209	Miscellaneous foods and kindred products	10.7	158.7	8.0	14.8	98.9	848.9	949.4	1 805.3	29.2	106.5
22	**Textile mill products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
222	Weaving mills, synthetics	3.0	42.3	2.7	4.8	35.3	83.7	88.6	173.3	6.4	33.2
23	**Apparel and other textile products**	**63.9**	**669.0**	**53.1**	**94.4**	**454.4**	**1 528.8**	**1 521.1**	**3 043.9**	**92.2**	**425.2**
231	Men's and boys' suits and coats	3.9	38.2	3.4	7.1	31.2	55.3	37.9	93.4	.8	10.4
232	Men's and boys' furnishings	26.2	292.1	21.5	38.3	190.7	769.1	843.9	1 606.6	13.8	229.0
233	Women's and misses' outerwear	17.9	176.4	14.9	24.9	116.7	376.3	317.8	688.2	5.2	73.0
234	Women's and children's undergarments	3.5	32.5	3.0	5.1	24.6	63.2	45.4	106.9	.7	24.4
236	Children's outerwear	3.0	30.8	2.6	4.5	23.0	74.0	43.1	116.8	(D)	14.3
239	Miscellaneous fabricated textile products	6.2	65.3	5.2	9.9	48.2	138.0	192.6	330.7	64.6	49.2
24	**Lumber and wood products**	**35.7**	**507.7**	**30.4**	**60.9**	**378.8**	**1 055.7**	**1 856.3**	**2 908.9**	**50.9**	**294.7**
242	Sawmills and planing mills	3.6	47.5	3.2	6.8	37.0	85.3	169.2	256.8	5.7	33.9
243	Millwork, plywood, and structural members	15.9	227.7	13.7	28.5	177.0	438.6	776.0	1 207.9	15.1	140.3
245	Wood buildings and mobile homes	8.7	135.1	7.2	14.3	96.2	274.3	491.5	762.2	6.7	49.9
249	Miscellaneous wood products	3.4	43.0	2.9	5.3	29.3	93.4	181.9	279.0	10.4	47.0
25	**Furniture and fixtures**	**16.4**	**214.7**	**13.3**	**24.4**	**146.5**	**463.3**	**489.4**	**959.4**	**16.7**	**154.1**
251	Household furniture	8.7	102.0	7.2	13.4	71.6	220.7	286.3	520.6	12.5	78.0
254	Partitions and fixtures	2.6	39.9	2.0	3.7	27.6	79.4	57.7	137.9	.1	24.3
26	**Paper and allied products**	**20.7**	**443.8**	**15.1**	**30.9**	**394.3**	**1 000.5**	**1 731.1**	**2 736.0**	**88.2**	**294.1**
262	Paper mills, except building paper	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
263	Paperboard mills	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
264	Miscellaneous converted paper products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
265	Paperboard containers and boxes	7.5	141.2	5.3	10.8	87.3	309.5	572.4	879.0	15.5	98.6
27	**Printing and publishing**	**67.9**	**1 180.3**	**37.0**	**70.7**	**636.4**	**2 692.2**	**1 462.3**	**4 134.9**	**152.6**	**311.8**
271	Newspapers	28.1	471.4	9.3	17.7	209.5	1 144.1	435.0	1 566.5	(D)	61.3
273	Books	3.5	59.8	1.8	3.8	24.8	125.3	53.0	179.0	11.1	24.4
275	Commercial printing	21.6	384.2	16.6	32.1	261.8	767.2	559.6	1 330.1	33.5	108.3
276	Manifold business forms	4.8	94.7	2.9	5.3	50.2	222.9	227.8	445.6	15.4	58.2
278	Blankbooks and bookbinding	3.0	43.9	2.6	5.2	33.4	106.0	39.3	145.1	3.1	8.9
279	Printing trade services	2.7	56.7	2.1	3.8	38.6	114.9	33.9	147.0	5.5	14.4
28	**Chemicals and allied products**	**71.2**	**2 113.0**	**40.2**	**81.0**	**1 106.7**	**8 983.5**	**17 685.2**	**26 741.7**	**1 297.2**	**3 265.0**
281	Industrial inorganic chemicals	5.8	165.6	3.8	7.7	102.3	687.2	1 012.9	1 699.9	75.1	304.6
282	Plastics materials and synthetics	12.9	423.0	7.6	15.4	234.9	2 147.6	4 405.6	6 521.8	236.8	678.0
283	Drugs	3.0	60.3	1.5	2.9	24.5	324.0	117.8	435.0	6.4	102.5
284	Soaps, cleaners, and toilet goods	4.8	89.7	3.0	5.6	47.2	420.3	455.5	876.3	26.3	98.5
285	Paints and allied products	3.3	70.4	1.8	3.5	29.3	304.9	378.7	679.4	12.0	91.2
286	Industrial organic chemicals	32.4	1 092.8	17.1	34.7	553.1	4 168.1	10 264.2	14 500.5	865.0	1 682.2
287	Agricultural chemicals	3.6	97.5	2.2	4.3	52.5	488.5	502.6	1 016.2	40.0	194.0
289	Miscellaneous chemical products	5.4	113.7	3.2	6.8	62.0	442.8	548.0	1 012.5	33.6	113.9
29	**Petroleum and coal products**	**37.3**	**1 224.1**	**24.5**	**52.4**	**761.6**	**6 224.9**	**51 426.6**	**58 120.5**	**1 496.4**	**4 304.0**
291	Petroleum refining	34.0	1 152.6	22.5	48.1	729.1	5 979.1	50 974.5	57 416.7	1 491.5	4 247.6

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1]			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
29.4	**492.7**	**21.4**	**39.5**	**324.0**	**1 672.6**	**1 220.3**	**2 958.6**	**92.4**	**5**	**3**	**12**	**Tenn.** **35**
4.4	72.4	3.0	5.7	44.9	197.2	139.2	338.8	11.9	1	1	2	356
8.7	128.3	6.6	11.5	92.4	450.7	515.6	1 017.7	32.2	1	1	1	358
4.0	64.9	3.2	6.1	48.3	143.3	66.1	212.4	9.0	4	2	81	359
36.7	**567.8**	**27.1**	**50.6**	**360.9**	**1 511.8**	**2 030.3**	**3 533.7**	**107.6**	**1**	**1**	**2**	**36**
6.6	103.1	5.4	9.9	77.9	269.6	295.0	537.8	21.3	1	3	1	362
11.6	164.1	9.1	17.5	109.5	438.6	546.0	993.2	27.1	1	1	2	363
2.9	43.6	2.3	4.1	31.3	106.5	110.0	218.2	6.0	1	1	8	364
5.2	83.1	3.2	5.8	46.3	374.3	762.0	1 108.7	13.0	5	1	2	365
4.5	84.7	2.6	4.9	38.5	127.1	128.0	289.3	9.1	1	1	1	366
24.2	**460.9**	**18.1**	**35.1**	**307.5**	**783.1**	**1 076.5**	**1 992.4**	**469.4**	**4**	**2**	**1**	**37**
14.7	260.2	10.8	20.2	162.8	573.0	669.0	1 245.7	(D)	5	3	(X)	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	375
5.0	**87.8**	**2.9**	**5.9**	**37.7**	**224.0**	**113.9**	**337.6**	**10.9**	**1**	**1**	**10**	**38**
10.1	**137.2**	**7.4**	**13.8**	**84.4**	**343.1**	**346.2**	**686.3**	**16.6**	**4**	**4**	**21**	**39**
4.4	64.1	2.8	5.4	35.2	163.8	131.5	293.8	6.4	7	5	40	399
11.3	**262.9**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**--**
1 058.5	**21 434.9**	**669.5**	**1 306.0**	**11 232.8**	**53 357.8**	**117 599.0**	**171 674.3**	**8 193.2**	**1**	**1**	**2**	**Tex.**
88.9	**1 488.2**	**59.4**	**120.4**	**871.7**	**5 329.3**	**11 983.4**	**17 303.[illegible]**	**441.7**	**1**	**2**	**4**	**20**
21.1	316.1	17.8	37.8	249.7	782.9	4 804.6	5 586.0	39.9	2	4	9	201
6.7	117.8	3.2	6.8	49.7	379.1	1 105.3	1 475.1	36.3	1	2	14	202
7.1	109.2	5.7	11.9	75.9	465.8	697.8	1 165.6	23.8	3	3	18	203
7.6	111.4	5.2	10.8	68.4	436.1	1 283.5	1 712.1	44.4	2	3	21	204
12.6	223.8	6.8	13.6	109.1	603.7	411.6	1 015.2	31.1	2	8	16	205
3.4	59.3	2.6	4.8	42.2	250.9	452.2	689.8	22.0	1	1	1	206
4.1	64.0	3.1	6.8	44.6	226.0	633.9	872.6	46.2	3	2	3	207
15.1	323.3	6.0	12.1	125.4	1 404.8	1 566.5	2 970.7	162.4	2	2	6	208
12.3	153.4	9.6	15.7	106.6	780.1	1 028.0	1 816.0	35.6	2	1	12	209
(D)	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(X)**	**(X)**	**(X)**	**22**
2.7	34.8	2.3	4.4	28.6	59.2	76.6	135.7	9.4	1	3	6	222
66.7	**667.6**	**56.3**	**98.4**	**476.1**	**1 436.8**	**1 314.9**	**2 800.5**	**21.9**	**1**	**1**	**4**	**23**
3.6	35.7	3.3	6.2	28.8	53.5	34.7	89.1	1.3	8	6	1	231
26.3	270.1	22.2	37.9	188.3	661.0	655.9	1 351.3	8.5	1	1	1	232
20.8	202.0	17.5	30.3	145.7	384.9	304.2	698.7	5.8	1	2	27	233
3.3	30.8	2.9	5.1	23.2	73.4	43.8	120.4	.7	1	1	1	234
2.9	26.6	2.4	4.2	19.5	68.2	35.5	102.5	(D)	2	3	(X)	236
6.3	65.1	5.3	10.1	48.6	132.7	188.7	322.5	3.2	3	2	1	239
33.4	**460.5**	**28.0**	**54.7**	**343.3**	**904.7**	**1 659.9**	**2 572.9**	**63.7**	**2**	**3**	**14**	**24**
3.[illegible]	39.9	2.9	5.7	32.4	64.9	139.0	204.1	5.0	6	24	24	242
14.1	199.7	11.9	24.0	153.0	336.1	644.6	983.8	27.3	2	3	13	243
8.5	127.7	7.0	13.7	91.7	272.7	467.1	743.1	10.1	2	3	13	245
3.5	42.6	2.9	5.3	29.9	84.7	176.1	261.1	12.9	1	2	2	249
15.6	**200.2**	**12.8**	**23.8**	**135.8**	**441.4**	**435.2**	**879.8**	**20.1**	**3**	**5**	**17**	**25**
8.3	95.9	7.0	13.1	67.7	219.7	230.9	449.7	7.6	4	9	21	251
2.6	39.4	2.1	3.9	27.7	82.1	58.3	142.7	2.9	3	7	63	254
20.9	**420.3**	**15.5**	**31.2**	**286.4**	**986.1**	**1 643.3**	**2 631.6**	**119.6**	**1**	**3**	**5**	**26**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	262
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	263
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	264
7.5	132.7	5.4	10.9	82.3	313.4	515.3	828.3	20.3	3	2	13	265
65.7	**1 044.8**	**37.2**	**69.7**	**546.7**	**2 461.2**	**1 393.5**	**3 852.4**	**198.4**	**5**	**2**	**8**	**27**
25.7	357.8	9.0	16.0	125.7	982.1	435.2	1 417.0	(D)	10	3	(X)	271
3.8	67.0	2.2	3.9	30.2	130.3	56.0	186.0	8.5	7	9	31	273
22.2	377.7	16.9	32.2	255.9	728.6	547.1	1 276.1	81.4	2	3	20	275
3.9	71.1	2.9	5.7	47.9	199.2	183.9	381.8	24.3	12	10	38	276
3.1	43.2	2.7	5.2	32.8	99.2	37.3	137.3	4.4	2	3	31	278
2.7	51.6	2.0	3.8	35.9	101.8	34.5	136.1	5.5	3	7	65	279
74.3	**2 106.7**	**42.2**	**83.2**	**1 099.4**	**8 441.8**	**16 751.8**	**25 154.1**	**2 005.7**	**2**	**1**	**6**	**28**
6.2	166.4	4.1	8.0	103.0	614.1	916.9	1 513.6	176.7	1	4	5	281
13.8	428.8	8.1	16.8	235.7	1 459.2	4 181.8	5 695.9	453.2	1	2	2	282
3.3	67.3	1.6	3.1	27.0	298.5	121.2	402.1	17.9	1	2	1	283
5.1	94.9	3.0	6.0	49.3	499.0	431.6	942.0	37.6	3	4	25	284
3.5	68.8	1.8	3.5	28.0	294.4	368.4	664.0	8.4	12	5	11	285
32.9	1 061.4	17.7	36.1	539.9	4 353.0	9 180.7	13 841.8	1 096.1	4	1	8	286
3.8	97.2	2.3	4.6	51.0	426.7	530.0	971.9	71.4	1	1	1	287
5.9	122.0	3.5	7.1	65.6	496.9	621.2	1 122.6	144.4	3	10	22	289
39.4	**1 195.7**	**26.0**	**53.2**	**693.5**	**4 778.0**	**55 116.8**	**60 369.7**	**2 469.0**	**1**	**2**	**1**	**29**
36.1	1 123.7	24.1	49.2	658.7	4 553.7	54 625.0	59 650.5	2 423.2	1	2	1	291

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Tex.	**Texas**—Con										
30	**Rubber and miscellaneous plastics products**	**30.4**	**532.2**	**23.6**	**46.0**	**354.2**	**1 345.7**	**1 428.0**	**2 762.8**	**73.9**	**394.5**
301	Tires and inner tubes	3.2	90.3	2.5	5.1	70.0	215.7	254.6	461.1	2.4	59.4
306	Fabricated rubber products, n.e.c.	4.3	75.1	2.9	5.5	37.2	132.0	132.9	272.2	19.6	55.4
307	Miscellaneous plastics products	22.7	362.8	18.0	35.1	244.7	391.4	1 032.6	2 013.8	51.8	275.2
31	**Leather and leather products**	**6.9**	**81.9**	**5.8**	**10.2**	**57.7**	**181.8**	**230.4**	**417.2**	**(D)**	**86.3**
314	Footwear, except rubber	4.7	57.5	3.8	6.5	38.6	127.1	147.2	277.0	3.9	71.2
32	**Stone, clay, and glass products**	**38.0**	**725.3**	**30.2**	**61.2**	**527.9**	**1 899.4**	**2 103.9**	**3 965.6**	**215.9**	**471.7**
322	Glass and glassware, pressed or blown	3.5	82.2	2.9	5.9	66.2	158.4	159.0	320.7	14.1	56.4
324	Cement, hydraulic	3.1	77.7	2.3	4.9	54.4	274.4	289.1	552.5	35.9	105.3
325	Structural clay products	3.7	56.5	2.9	6.2	42.9	140.2	89.1	227.7	16.7	40.4
327	Concrete, gypsum, and plaster products	16.6	305.6	13.1	26.3	211.4	677.0	1 031.4	1 110.7	115.2	106.5
329	Miscellaneous nonmetallic mineral products	5.5	106.6	4.4	9.0	78.9	355.0	311.5	656.1	9.7	91.3
33	**Primary metal industries**	**31.8**	**739.1**	**23.5**	**44.0**	**491.2**	**1 422.4**	**3 627.2**	**5 314.7**	**111.3**	**780.3**
331	Blast furnace and basic steel products	10.4	296.8	7.3	13.3	186.3	332.3	858.5	1 401.5	38.5	312.3
332	Iron and steel foundries	7.4	123.9	5.9	10.8	87.5	228.5	136.6	367.5	15.6	61.9
333	Primary nonferrous metals	5.3	161.6	3.7	6.8	114.3	557.0	1 773.0	2 343.6	35.2	265.8
335	Nonferrous rolling and drawing	4.1	73.5	3.0	6.0	46.9	155.1	624.5	783.2	(D)	77.8
34	**Fabricated metal products**	**84.6**	**1 612.3**	**60.8**	**119.4**	**1 005.8**	**3 307.0**	**3 951.2**	**7 325.4**	**154.2**	**1 517.4**
341	Metal cans and shipping containers	3.2	91.6	2.6	5.2	72.5	296.8	532.1	834.5	13.5	84.3
344	Fabricated structural metal products	42.3	749.8	30.9	61.1	469.4	1 396.4	2 071.0	3 458.5	64.6	582.4
346	Metal forgings and stampings	3.2	59.2	2.2	4.4	39.2	94.7	142.8	247.2	9.9	51.3
347	Metal services, n.e.c.	4.3	60.7	3.1	7.4	40.4	157.2	73.0	233.9	4.6	27.0
348	Ordnance and accessories, n.e.c.	5.2	120.3	3.5	5.5	62.5	214.9	24.5	239.2	(D)	7.7
349	Miscellaneous fabricated metal products	20.8	433.6	14.5	28.5	263.5	929.9	902.9	1 892.8	41.9	659.6
35	**Machinery, except electrical**	**144.6**	**3 165.7**	**84.7**	**162.2**	**1 558.7**	**6 141.9**	**5 804.5**	**12 580.5**	**590.8**	**4 719.4**
351	Engines and turbines	2.7	56.3	.8	1.6	17.9	41.8	277.9	326.4	11.7	105.5
353	Construction and related machinery	48.2	1 132.2	26.9	50.9	576.3	2 591.7	1 990.7	4 953.4	266.7	3 106.1
354	Metalworking machinery	4.5	97.0	3.1	6.2	62.9	191.9	96.0	292.5	6.3	66.5
355	Special industry machinery	3.5	82.2	1.8	3.4	36.2	140.9	173.5	337.7	6.1	92.0
356	General industrial machinery	11.9	242.8	7.2	14.0	130.1	444.8	438.3	960.4	47.4	319.7
357	Office and computing machines	38.3	926.4	18.1	34.5	320.7	1 498.3	1 694.4	3 302.6	208.2	559.8
358	Refrigeration and service machinery	12.0	205.5	8.3	15.0	116.2	490.9	660.5	1 153.2	20.8	272.1
359	Miscellaneous machinery, except electrical	21.1	389.3	16.9	33.8	279.0	661.5	353.5	1 042.6	21.4	137.0
36	**Electric and electronic equipment**	**93.9**	**2 178.5**	**51.6**	**104.5**	**875.7**	**5 003.5**	**2 689.7**	**7 623.0**	**485.2**	**1 430.8**
361	Electric distributing equipment	2.5	52.6	1.8	3.6	32.8	98.3	148.4	247.6	5.2	41.8
364	Electric lighting and wiring equipment	3.0	50.4	1.9	3.9	26.2	110.4	111.8	224.3	2.3	51.6
366	Communication equipment	45.2	1 109.5	22.1	43.7	398.9	2 422.4	1 288.4	3 675.0	227.3	786.6
367	Electronic components and accessories	32.3	763.3	18.3	39.3	315.7	1 859.0	687.2	2 507.0	218.8	398.6
369	Miscellaneous electrical equipment and supplies	5.5	97.1	3.7	6.6	49.5	257.4	170.7	426.1	19.0	80.7
37	**Transportation equipment**	**67.0**	**1 748.9**	**40.1**	**79.4**	**925.1**	**3 382.2**	**4 379.0**	**7 904.6**	**83.7**	**1 515.0**
371	Motor vehicles and equipment	14.7	321.5	11.5	22.0	245.4	659.3	2 129.8	2 802.5	15.5	249.6
372	Aircraft and parts	43.0	1 246.3	21.4	44.3	560.2	2 375.8	1 859.6	4 359.8	57.8	1 152.3
373	Ship and boat building and repairing	6.0	126.7	4.7	8.3	87.1	238.3	207.9	447.5	7.9	51.8
38	**Instruments and related products**	**18.5**	**341.4**	**11.9**	**22.3**	**168.9**	**826.9**	**615.8**	**1 462.8**	**46.4**	**325.3**
382	Measuring and controlling devices	6.9	140.7	4.1	7.8	60.9	269.9	229.6	505.3	14.9	135.9
383	Optical instruments and lenses	3.0	58.3	1.7	3.1	25.5	148.6	70.9	219.4	15.8	52.2
384	Medical instruments and supplies	6.5	108.7	4.7	8.9	63.7	328.1	260.5	601.5	14.2	109.6
39	**Miscellaneous manufacturing industries**	**12.9**	**188.0**	**9.6**	**17.9**	**115.2**	**417.0**	**350.6**	**773.1**	**30.0**	**118.1**
399	Miscellaneous manufactures	7.5	105.2	5.6	10.1	66.3	182.3	173.9	356.3	13.7	45.8
—	**Auxiliaries**[2]	**58.5**	**2 055.9**	-	-	-	-	-	-	-	-
Utah	**Utah**	**82.7**	**1 591.9**	**54.4**	**105.2**	**860.2**	**3 877.2**	**5 479.5**	**9 367.5**	**277.7**	**1 313.8**
20	**Food and kindred products**	**7.0**	**107.9**	**4.9**	**9.8**	**74.3**	**372.4**	**1 095.8**	**1 467.9**	**18.6**	**87.4**
23	**Apparel and other textile products**	**5.3**	**53.2**	**4.4**	**7.7**	**38.6**	**105.0**	**82.7**	**189.1**	**1.9**	**30.7**
24	**Lumber and wood products**	**2.9**	**40.5**	**2.4**	**4.2**	**29.9**	**71.9**	**70.8**	**134.7**	**2.2**	**27.4**
27	**Printing and publishing**	**5.9**	**87.8**	**3.4**	**6.4**	**47.0**	**253.5**	**130.5**	**383.1**	**31.8**	**28.3**
32	**Stone, clay, and glass products**	**3.8**	**76.4**	**2.9**	**6.0**	**57.9**	**176.6**	**181.2**	**344.7**	**26.9**	**57.4**
33	**Primary metal industries**	**7.0**	**176.1**	**5.1**	**9.5**	**118.2**	**352.4**	**942.1**	**1 325.1**	**37.8**	**187.4**
331	Blast furnace and basic steel products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34	**Fabricated metal products**	**6.1**	**108.1**	**4.5**	**8.5**	**67.6**	**203.4**	**261.9**	**478.6**	**11.0**	**114.5**
344	Fabricated structural metal products	3.7	70.1	2.7	5.1	43.3	122.3	186.1	310.1	6.6	56.5
35	**Machinery, except electrical**	**10.0**	**220.3**	**5.9**	**12.3**	**97.9**	**643.4**	**368.7**	**998.9**	**36.5**	**206.8**
357	Office and computing machines	5.3	123.3	3.0	6.8	45.6	417.9	195.6	597.3	28.0	119.1

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹ –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Tex.
29.9	**501.2**	**22.9**	**43.6**	**328.4**	**1 275.8**	**1 289.6**	**2 572.7**	**101.6**	**3**	**3**	**6**	**30**
3.2	76.7	2.5	4.2	56.3	180.2	214.9	406.1	4.4	1	1	5	301
4.4	76.1	2.9	5.8	38.3	144.5	145.1	286.9	16.4	15	16	9	306
22.1	344.4	17.3	33.3	231.4	944.5	921.6	1 864.0	80.4	2	2	7	307
9.0	**93.7**	**7.3**	**13.1**	**65.1**	**164.9**	**254.7**	**425.7**	**(D)**	**10**	**6**	**(X)**	**31**
6.0	62.5	4.9	8.5	45.2	102.9	172.2	280.2	4.9	7	4	11	314
39.7	**708.7**	**31.6**	**65.2**	**510.0**	**1 894.2**	**2 129.3**	**4 010.8**	**237.0**	**3**	**6**	**18**	**32**
3.4	72.3	2.7	5.5	57.0	141.9	148.5	287.7	26.2	1	1	1	322
3.3	80.8	2.6	5.4	57.8	344.8	322.0	648.9	56.8	3	3	19	324
3.4	49.3	2.7	5.6	32.3	113.7	80.0	197.3	6.7	3	6	50	325
18.5	320.9	14.9	31.3	227.0	784.1	1 075.3	1 853.1	98.9	6	16	30	327
5.8	97.8	4.7	9.3	71.1	301.9	288.6	595.8	14.9	2	2	15	329
39.2	**874.4**	**29.1**	**55.0**	**603.1**	**1 848.8**	**3 832.2**	**5 602.6**	**295.0**	**1**	**2**	**5**	**33**
15.8	402.4	11.2	21.1	270.4	942.5	1 220.2	2 108.0	162.1	1	5	9	331
8.7	146.8	7.1	12.9	108.5	256.3	155.0	408.7	32.5	2	3	1	332
5.5	168.3	3.9	7.6	119.7	383.5	1 713.1	2 102.9	58.1	1	1	1	333
4.0	68.7	2.9	5.7	44.3	123.3	448.4	574.0	(D)	2	3	(X)	335
99.4	**1 866.6**	**72.4**	**141.7**	**1 181.3**	**4 182.2**	**4 618.4**	**8 860.9**	**355.5**	**2**	**2**	**7**	**34**
3.5	97.2	2.9	5.7	76.7	332.5	546.3	879.1	12.6	4	2	9	341
46.6	822.5	34.3	67.7	525.8	1 710.1	2 240.7	4 015.7	113.1	2	3	13	344
4.4	83.2	3.3	6.5	55.4	172.9	209.3	386.8	36.6	5	12	24	346
6.2	107.3	5.1	10.1	74.6	221.3	126.6	351.7	16.2	23	21	32	347
5.0	107.4	3.3	5.3	55.0	210.3	36.1	247.0	(D)	1	1	(X)	348
27.5	555.0	19.2	38.2	336.8	1 311.0	1 263.4	2 561.1	155.0	4	4	10	349
169.7	**3 658.2**	**101.3**	**200.1**	**1 894.4**	**9 434.6**	**7 518.1**	**16 743.9**	**1 230.6**	**2**	**2**	**3**	**35**
3.3	66.2	1.3	2.6	27.0	95.2	284.5	392.1	5.9	7	66	61	351
73.3	1 729.2	44.8	91.0	966.1	4 823.8	3 638.6	8 196.2	660.2	2	3	6	353
4.9	92.7	3.4	6.6	57.9	186.1	108.3	294.3	14.2	13	14	18	354
5.2	99.3	3.2	6.3	50.1	191.6	192.4	392.7	10.9	29	39	36	355
15.9	349.1	10.4	20.4	195.6	722.8	826.0	1 554.7	95.6	3	3	9	356
28.3	667.3	9.7	18.2	148.3	1 844.7	1 384.0	3 246.3	331.3	1	1	1	357
11.8	193.9	8.2	14.2	111.1	687.6	574.2	1 279.4	33.8	2	2	11	358
23.2	423.3	18.5	37.1	305.7	796.9	385.0	1 175.2	72.4	3	6	26	359
99.3	**2 057.3**	**55.7**	**111.8**	**885.8**	**4 561.9**	**2 642.1**	**7 250.6**	**383.4**	**2**	**2**	**3**	**36**
2.7	51.4	1.9	3.6	32.5	104.0	145.4	249.4	8.4	2	6	4	361
3.5	55.9	2.4	4.4	31.3	119.5	135.1	257.8	7.8	17	7	36	364
45.6	1 035.8	23.8	48.9	424.3	2 192.8	1 203.8	3 446.7	155.7	2	2	5	366
33.2	681.7	18.2	36.6	276.8	1 548.4	601.5	2 140.0	168.0	2	2	4	367
5.7	93.0	3.9	7.1	50.3	264.1	178.7	439.0	17.2	2	2	18	369
73.0	**1 774.4**	**45.6**	**89.7**	**988.7**	**3 474.9**	**4 240.4**	**7 751.6**	**154.4**	**2**	**3**	**6**	**37**
14.4	281.7	11.5	21.2	210.7	561.2	1 590.5	2 159.6	33.9	3	5	26	371
43.2	1 176.1	22.3	45.3	544.1	2 368.7	2 010.0	4 402.6	63.5	1	1	2	372
11.3	236.8	8.9	17.8	183.3	401.3	391.2	793.5	52.4	18	28	17	373
18.2	**322.1**	**11.7**	**22.0**	**163.4**	**889.6**	**531.6**	**1 404.9**	**57.9**	**3**	**2**	**5**	**38**
6.7	134.2	3.9	7.3	61.7	284.7	166.9	451.3	23.5	6	3	15	382
2.8	51.7	1.7	3.2	23.5	129.9	61.3	189.9	10.1	1	1	1	383
6.5	98.1	4.7	8.8	58.0	389.4	252.9	626.6	17.8	1	2	6	384
13.5	**188.7**	**9.7**	**18.1**	**115.3**	**696.2**	**478.4**	**1 175.0**	**18.0**	**5**	**6**	**38**	**39**
7.0	101.6	5.1	9.5	63.1	191.9	161.5	353.5	10.5	5	10	70	399
56.2	**1 736.8**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**(X)**	**(X)**	**—**
83.2	**1 538.8**	**54.2**	**103.0**	**837.0**	**3 455.1**	**5 423.4**	**8 960.0**	**327.6**	**2**	**2**	**8**	**Utah**
7.6	**119.4**	**5.2**	**9.8**	**71.4**	**338.9**	**1 045.0**	**1 389.4**	**25.9**	**16**	**10**	**18**	**20**
6.1	**54.0**	**4.8**	**7.6**	**37.7**	**119.2**	**85.7**	**208.2**	**1.6**	**5**	**3**	**23**	**23**
2.5	**35.2**	**2.0**	**3.8**	**23.8**	**51.5**	**69.1**	**123.7**	**4.1**	**7**	**16**	**56**	**24**
5.7	**82.6**	**3.4**	**6.3**	**45.0**	**245.0**	**125.9**	**370.5**	**11.3**	**2**	**1**	**10**	**27**
3.5	**68.7**	**2.7**	**5.4**	**49.0**	**167.1**	**154.7**	**323.8**	**13.8**	**3**	**13**	**47**	**32**
7.9	**202.9**	**5.6**	**10.2**	**137.4**	**57.3**	**1 030.4**	**1 145.0**	**81.1**	**1**	**5**	**6**	**33**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	331
6.2	**113.7**	**4.5**	**8.8**	**74.3**	**221.7**	**245.0**	**470.1**	**12.7**	**6**	**15**	**16**	**34**
4.0	75.6	2.9	5.8	49.5	136.3	175.0	316.9	7.4	4	9	13	344
10.8	**220.0**	**6.4**	**13.1**	**109.5**	**640.4**	**343.0**	**973.8**	**44.6**	**2**	**2**	**42**	**35**
4.8	105.2	2.4	5.3	43.6	355.9	156.6	505.2	32.0	3	3	54	357

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Utah	**Utah** – Con.										
36	**Electric and electronic equipment**	**7.8**	**159.9**	**4.8**	**9.2**	**73.2**	**332.6**	**167.2**	**478.7**	**33.9**	**131.5**
366	Communication equipment	3.1	66.9	1.8	3.6	32.0	179.6	90.1	254.5	9.4	83.9
367	Electronic components and accessories	3.8	74.8	2.5	4.6	34.5	110.4	50.6	156.7	(D)	26.5
37	**Transportation equipment**	**10.5**	**281.7**	**5.1**	**10.9**	**108.9**	**638.0**	**386.7**	**1 036.7**	**41.0**	**126.9**
376	Guided missiles, space vehicles, parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**4.7**	**77.8**	**3.1**	**6.0**	**34.9**	**174.0**	**75.5**	**247.2**	**8.0**	**65.5**
384	Medical instruments and supplies	4.1	67.4	2.7	5.4	30.8	156.1	59.0	210.7	8.0	52.2
Vt.	**Vermont**	**44.3**	**875.4**	**28.2**	**54.3**	**429.7**	**2 063.0**	**1 686.1**	**3 714.6**	**242.6**	**714.5**
23	**Apparel and other textile products**	**2.5**	**21.2**	**1.6**	**3.0**	**8.1**	**56.1**	**48.6**	**105.4**	**(D)**	**23.5**
24	**Lumber and wood products**	**3.1**	**38.4**	**2.6**	**4.9**	**29.4**	**70.3**	**110.2**	**178.5**	**(D)**	**24.8**
27	**Printing and publishing**	**3.3**	**66.8**	**2.5**	**5.3**	**42.0**	**139.3**	**92.3**	**238.1**	**9.4**	**17.3**
34	**Fabricated metal products**	**3.8**	**87.8**	**2.2**	**5.0**	**37.8**	**283.7**	**94.3**	**378.1**	**16.9**	**48.0**
35	**Machinery, except electrical**	**5.5**	**109.2**	**3.7**	**6.3**	**66.3**	**275.5**	**101.7**	**389.8**	**(D)**	**150.5**
354	Metalworking machinery	2.5	50.8	1.6	2.9	29.2	70.7	37.2	114.8	(D)	78.9
36	**Electric and electronic equipment**	**10.9**	**287.3**	**4.1**	**6.6**	**65.4**	**647.5**	**285.1**	**868.8**	**(D)**	**298.6**
367	Electronic components and accessories	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Va.	**Virginia**	**403.2**	**7 267.9**	**297.1**	**586.3**	**4 589.9**	**18 389.3**	**21 137.9**	**39 686.4**	**1 072.0**	**7 386.2**
20	**Food and kindred products**	**34.8**	**525.9**	**25.6**	**48.4**	**336.0**	**1 918.9**	**3 938.6**	**5 856.6**	**95.5**	**343.9**
201	Meat products	11.1	142.2	9.3	18.4	109.3	297.1	1 349.6	1 648.6	10.5	47.6
203	Preserved fruits and vegetables	3.7	44.4	3.1	5.0	30.8	116.5	166.8	278.8	(D)	68.3
205	Bakery products	4.3	84.6	2.5	5.0	47.3	290.0	168.6	463.0	6.6	19.4
208	Beverages	3.4	79.8	1.7	3.8	39.9	410.5	514.2	923.6	26.6	48.4
209	Miscellaneous foods and kindred products	6.1	72.6	4.8	8.2	47.8	468.7	449.2	927.1	12.8	51.8
21	**Tobacco products**	**16.0**	**462.6**	**10.9**	**19.3**	**295.0**	**2 443.0**	**1 799.5**	**4 244.3**	**(D)**	**2 823.6**
211	Cigarettes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22	**Textile mill products**	**40.8**	**556.1**	**35.5**	**69.7**	**440.0**	**1 196.2**	**1 915.7**	**3 082.1**	**72.4**	**459.9**
222	Weaving mills, synthetics	13.7	207.9	11.9	24.6	164.8	393.4	512.4	899.4	(D)	146.0
225	Knitting mills	14.7	179.9	13.0	24.4	140.8	379.0	494.4	861.8	21.9	132.5
226	Textile finishing, except wool	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
228	Yarn and thread mills	3.3	38.7	3.0	5.9	33.3	66.7	127.9	194.9	3.6	28.8
23	**Apparel and other textile products**	**33.0**	**306.0**	**29.7**	**53.7**	**259.1**	**655.5**	**389.3**	**1 038.3**	**18.7**	**127.1**
232	Men's and boys' furnishings	10.7	101.8	9.9	19.2	90.3	295.7	136.5	431.8	7.0	49.6
233	Women's and misses' outerwear	11.4	97.7	10.1	16.9	81.7	154.4	94.9	245.6	7.7	26.0
236	Children's outerwear	5.3	44.9	4.9	8.4	41.2	82.8	35.8	120.5	.8	17.0
24	**Lumber and wood products**	**22.6**	**273.4**	**18.8**	**34.8**	**200.3**	**585.8**	**903.2**	**1 481.5**	**38.8**	**195.3**
242	Sawmills and planing mills	7.0	74.2	6.1	11.6	61.3	161.7	236.7	388.6	5.0	68.1
243	Millwork, plywood, and structural members	6.6	83.5	5.1	9.7	56.2	189.1	292.4	477.8	14.1	60.6
249	Miscellaneous wood products	3.0	45.2	2.5	4.9	33.3	101.1	151.9	256.9	6.5	28.8
25	**Furniture and fixtures**	**22.2**	**272.4**	**19.2**	**36.5**	**201.5**	**551.0**	**470.5**	**1 018.9**	**32.8**	**181.1**
251	Household furniture	20.0	235.7	17.5	33.1	179.2	481.6	416.9	892.3	31.7	162.1
26	**Paper and allied products**	**16.6**	**347.6**	**12.6**	**24.4**	**242.5**	**1 009.7**	**1 057.3**	**2 074.6**	**84.1**	**184.1**
263	Paperboard mills	4.3	128.4	3.1	6.4	87.4	374.2	327.8	708.0	51.0	67.0
264	Miscellaneous converted paper products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
265	Paperboard containers and boxes	4.5	81.1	3.6	7.3	56.1	160.7	280.3	440.7	(D)	43.3
27	**Printing and publishing**	**25.2**	**431.8**	**16.0**	**29.4**	**239.0**	**1 108.3**	**733.9**	**1 827.2**	**69.3**	**162.3**
271	Newspapers	7.6	112.0	3.1	5.3	41.8	274.0	96.3	369.0	36.1	14.2
273	Books	2.8	56.9	1.7	3.2	25.0	210.2	106.0	313.3	7.5	55.7
275	Commercial printing	10.5	188.5	8.8	16.4	135.2	412.9	369.0	781.7	21.7	58.6
28	**Chemicals and allied products**	**31.1**	**782.9**	**20.7**	**40.6**	**452.4**	**2 440.8**	**2 302.5**	**4 736.2**	**130.7**	**802.4**
281	Industrial inorganic chemicals	3.0	77.4	1.6	3.7	36.9	183.7	149.5	305.9	18.9	166.9
282	Plastics materials and synthetics	15.4	404.1	11.6	22.5	264.4	1 075.7	1 200.9	2 286.1	56.9	392.1
283	Drugs	3.5	99.8	1.3	2.6	28.1	496.4	296.7	792.3	26.1	71.2
289	Miscellaneous chemical products	3.7	77.7	2.5	4.8	46.2	183.0	56.8	240.0	-	6.6
30	**Rubber and miscellaneous plastics products**	**12.4**	**248.7**	**9.4**	**18.3**	**169.9**	**899.2**	**682.5**	**1 570.5**	**40.9**	**146.5**
301	Tires and inner tubes	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
307	Miscellaneous plastics products	7.7	131.0	5.7	10.7	86.5	494.2	341.0	827.2	28.9	98.2
31	**Leather and leather products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
32	**Stone, clay, and glass products**	**10.8**	**180.3**	**8.1**	**15.8**	**118.7**	**470.2**	**453.5**	**897.3**	**24.3**	**152.5**
327	Concrete, gypsum, and plaster products	5.7	92.1	4.1	8.2	57.9	267.9	250.0	496.0	20.3	66.8
33	**Primary metal industries**	**7.3**	**150.9**	**5.7**	**10.4**	**110.2**	**255.8**	**547.9**	**800.8**	**(D)**	**167.8**
332	Iron and steel foundries	3.5	70.2	2.7	4.9	52.1	108.0	133.6	247.4	(D)	32.3
34	**Fabricated metal products**	**15.2**	**291.4**	**11.7**	**22.7**	**202.2**	**710.8**	**1 175.1**	**1 864.8**	**34.6**	**308.3**
344	Fabricated structural metal products	6.6	112.0	4.7	8.7	65.1	235.3	269.4	504.6	13.8	82.6
349	Miscellaneous fabricated metal products	2.7	61.5	2.1	4.2	47.9	174.3	342.5	498.2	5.4	94.2

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Utah
8.2	156.5	4.9	9.2	66.7	316.1	151.8	461.7	42.4	1	1	1	**36**
2.9	61.1	1.6	3.0	25.8	162.0	72.3	231.6	12.8	1	1	1	366
4.5	77.7	2.9	5.3	34.4	113.7	55.8	167.9	(D)	1	1	(X)	367
9.0	230.3	4.0	9.0	84.9	543.1	289.6	839.7	31.4	1	1	1	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	376
4.8	73.2	3.1	6.0	34.0	157.0	73.7	235.0	10.3	1	1	1	**38**
4.2	62.9	2.8	5.4	29.9	139.6	57.5	199.2	9.6	1	1	1	384
46.8	862.7	30.0	56.2	433.8	2 036.8	1 682.6	3 730.4	270.9	4	3	4	**Vt.**
1.3	13.6	1.2	2.0	10.5	28.2	22.9	50.3	(D)	34	34	(X)	**23**
3.0	37.2	2.5	4.7	27.9	67.5	106.1	172.6	(D)	3	5	(X)	**24**
4.1	61.2	2.7	5.2	38.2	144.5	85.3	230.1	7.3	20	9	44	**27**
4.0	89.9	2.2	4.6	37.3	212.5	148.1	363.6	14.1	3	3	20	**34**
6.6	123.6	4.4	8.0	77.3	313.5	128.4	455.7	(D)	1	1	(X)	**35**
3.4	66.3	2.3	4.3	42.2	119.7	60.7	194.0	(D)	1	1	(X)	354
11.0	269.3	4.1	6.7	58.7	654.7	308.3	961.6	(D)	1	1	(X)	**36**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	367
391.1	6 649.0	287.4	541.1	4 191.7	17 255.6	19 662.3	36 802.7	1 522.9	1	1	3	**Va.**
36.8	534.6	27.1	51.8	336.3	2 059.2	3 843.8	5 903.4	132.0	2	2	14	**20**
12.8	158.2	10.8	21.6	119.2	365.2	1 381.7	1 747.0	19.1	1	2	4	201
3.6	43.3	2.9	5.2	30.4	110.9	179.7	288.9	(D)	10	8	(X)	203
4.5	76.8	2.7	4.9	42.9	304.7	174.6	476.8	11.0	1	2	10	205
3.7	86.5	1.7	4.1	40.8	426.2	534.7	960.1	16.6	6	2	48	208
6.3	69.1	5.1	8.2	46.6	392.5	415.1	806.8	11.0	5	4	14	209
17.6	447.3	12.4	21.1	289.9	2 489.1	1 987.4	4 470.8	(D)	1	1	(X)	**21**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	211
36.6	460.0	31.5	59.5	360.8	935.0	1 579.3	2 516.3	91.1	1	1	4	**22**
14.2	189.2	12.4	23.7	148.6	282.0	451.0	735.5	(D)	1	1	(X)	222
9.9	118.1	8.6	16.2	92.2	292.5	274.4	564.0	10.0	1	1	3	225
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	226
3.3	35.5	2.9	5.8	30.0	59.9	109.9	169.9	6.0	2	5	10	228
33.4	298.2	30.0	54.0	249.6	540.4	375.8	925.7	16.4	2	2	17	**23**
11.0	98.3	10.1	18.4	84.4	188.7	147.5	346.0	5.8	3	3	4	232
10.9	94.9	9.7	17.4	79.2	147.5	72.9	218.8	5.3	4	4	40	233
5.2	44.3	4.9	8.3	39.4	87.4	52.0	142.2	1.6	2	4	3	236
19.6	234.3	16.1	29.2	168.4	446.3	785.5	1 230.4	30.8	6	4	27	**24**
6.5	67.0	5.7	10.4	54.5	118.5	211.6	330.1	12.0	2	10	23	242
4.5	61.3	3.6	6.7	40.8	116.3	242.5	364.2	5.1	18	5	4	243
3.0	41.9	2.5	4.5	29.0	94.6	131.7	219.2	4.4	3	5	29	249
22.5	246.6	19.3	34.3	183.6	471.4	426.7	911.1	20.7	1	2	44	**25**
20.1	210.1	17.5	30.8	158.7	401.3	368.0	779.9	14.2	1	2	46	251
13.6	298.3	10.2	20.5	205.7	854.0	995.5	1 829.0	82.0	14	6	3	**26**
4.4	119.6	3.2	6.5	81.2	345.9	332.8	664.0	42.3	1	1	1	263
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	264
3.6	66.3	2.8	5.6	45.4	133.1	253.6	384.7	(D)	20	13	(X)	265
23.9	395.8	14.6	27.4	216.7	1 008.2	682.8	1 701.4	62.6	3	2	8	**27**
7.0	99.8	2.8	5.0	35.0	241.0	93.7	334.7	17.3	7	2	10	271
2.6	49.9	1.4	2.8	20.8	205.8	93.8	309.7	4.0	5	5	34	273
10.0	175.2	7.8	14.9	126.2	380.4	353.3	732.5	32.7	3	3	11	275
31.6	751.9	20.8	41.0	434.6	2 318.3	2 220.7	4 342.9	197.0	1	1	8	**28**
3.2	76.0	1.8	4.0	39.7	250.2	151.5	290.4	10.2	4	5	51	281
15.9	394.4	11.6	22.7	258.1	998.9	1 147.7	2 065.2	98.2	1	1	1	282
3.3	94.4	1.3	2.6	24.6	504.6	260.9	761.2	53.5	1	1	1	283
3.6	69.9	2.4	4.4	41.2	158.6	84.8	244.0	1.1	1	1	1	289
11.6	214.8	8.7	17.0	146.2	742.0	598.8	1 334.1	75.5	3	1	3	**30**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	301
6.8	115.9	5.0	9.9	77.9	373.5	312.6	677.5	51.5	5	2	3	307
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	**31**
10.1	162.0	7.5	14.5	107.3	347.3	396.5	747.7	24.7	4	8	50	**32**
5.1	78.9	3.7	7.5	51.3	173.9	220.5	390.0	12.0	6	14	60	327
8.1	150.2	6.3	11.2	105.8	281.8	473.8	756.8	(D)	4	6	(X)	**33**
4.0	70.9	3.2	5.3	50.2	123.5	113.8	239.9	(D)	5	11	(X)	332
15.5	287.9	11.8	23.3	199.6	686.2	1 111.6	1 817.8	31.8	4	7	14	**34**
6.7	114.3	4.8	9.5	68.6	220.6	299.0	518.9	12.4	8	13	33	344
2.9	64.2	2.3	4.4	50.0	178.1	332.0	524.3	8.6	1	1	1	349

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Table 2. **Statistics by Selected Industry Group for the United States and States: 1983 and**

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2 500 employees or more. For meaning of abbreviations and symbols, see introductory text. For

State and SIC code	Geographic area and industry group	1983: All employees: Number (1,000)	1983: All employees: Payroll (million dollars)	1983: Production workers: Number (1,000)	1983: Production workers: Hours (millions)	1983: Production workers: Wages (million dollars)	1983: Value added by manufacture (million dollars)	1983: Cost of materials (million dollars)	1983: Value of shipments (million dollars)	1983: New capital expenditures (million dollars)	1983: End-of-year inventories (million dollars)
		A	B	C	D	E	F	G	H	I	J
Va.	**Virginia**—Con.										
35	**Machinery, except electrical**	**16.2**	**321.1**	**11.1**	**21.3**	**187.3**	**719.8**	**645.4**	**1 359.3**	**38.4**	**354.6**
353	Construction and related machinery	3.9	79.3	2.5	4.8	43.8	169.3	193.6	364.5	6.0	131.9
358	Refrigeration and service machinery	2.7	48.7	1.6	3.1	25.5	89.4	145.0	231.3	3.2	44.5
359	Miscellaneous machinery, except electrical	2.9	55.9	2.5	5.2	41.5	116.7	52.1	166.1	12.9	12.7
36	**Electric and electronic equipment**	**34.3**	**765.9**	**21.0**	**41.7**	**350.3**	**1 748.2**	**1 539.7**	**3 286.9**	**139.5**	**534.9**
362	Electrical industrial apparatus	6.6	151.7	3.9	7.7	71.0	321.7	177.7	498.3	19.8	100.0
365	Radio and TV receiving equipment	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
366	Communication equipment	14.0	347.0	6.5	13.1	106.2	742.3	351.9	1 096.8	59.6	180.6
367	Electronic components and accessories	6.1	117.9	4.9	10.2	81.3	461.2	221.3	661.2	36.6	85.2
37	**Transportation equipment**	**37.8**	**826.2**	**31.7**	**62.0**	**669.5**	**1 546.0**	**1 760.0**	**3 276.3**	**87.9**	**224.6**
371	Motor vehicles and equipment	6.5	137.8	4.9	9.5	95.0	471.9	939.9	1 382.7	(D)	126.5
373	Ship and boat building and repairing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**6.3**	**109.5**	**4.1**	**7.6**	**55.8**	**235.7**	**143.6**	**397.7**	**7.0**	**82.8**
39	**Miscellaneous manufacturing industries**	**3.2**	**47.1**	**2.4**	**4.4**	**30.8**	**82.0**	**94.5**	**174.8**	**2.0**	**36.4**
—	**Auxiliaries**[2]	**13.9**	**328.3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Wash.	**Washington**	**274.9**	**6 689.6**	**171.6**	**316.6**	**3 591.1**	**12 881.7**	**22 973.3**	**37 764.1**	**1 015.2**	**8 660.7**
20	**Food and kindred products**	**29.6**	**539.1**	**23.1**	**41.7**	**362.9**	**1 748.7**	**3 518.8**	**5 269.7**	**117.5**	**614.3**
201	Meat products	3.5	67.8	3.0	6.2	54.3	166.8	976.6	1 139.8	4.3	28.6
203	Preserved fruits and vegetables	8.9	146.8	8.0	15.9	120.3	488.1	567.1	1 054.7	39.9	287.5
205	Bakery products	3.4	68.0	2.2	3.3	34.4	231.1	139.6	371.2	7.4	6.8
208	Beverages	2.8	68.0	1.7	2.8	38.8	255.2	427.8	686.4	31.4	54.7
209	Miscellaneous foods and kindred products	6.9	98.9	5.6	8.5	66.9	291.9	500.8	788.8	14.1	184.1
23	**Apparel and other textile products**	**3.5**	**41.8**	**3.2**	**5.8**	**31.5**	**74.3**	**108.4**	**179.3**	**(D)**	**40.8**
24	**Lumber and wood products**	**38.4**	**789.6**	**33.3**	**61.4**	**655.4**	**1 406.0**	**2 743.0**	**4 131.6**	**101.3**	**555.9**
241	Logging camps and logging contractors	12.0	265.3	10.4	18.6	223.7	466.8	1 198.9	1 685.8	45.8	179.2
242	Sawmills and planing mills	14.3	298.2	12.6	22.9	250.2	568.3	937.2	1 465.6	33.3	227.5
243	Millwork, plywood, and structural members	8.6	170.9	7.5	14.8	142.5	259.8	441.6	702.4	13.9	100.6
25	**Furniture and fixtures**	**3.0**	**48.3**	**2.5**	**4.5**	**32.5**	**102.9**	**74.9**	**178.0**	**.8**	**26.0**
26	**Paper and allied products**	**15.3**	**455.7**	**11.9**	**22.5**	**339.8**	**1 168.5**	**1 748.1**	**2 925.8**	**214.9**	**232.2**
262	Paper mills, except building paper	6.9	220.1	5.5	10.1	167.8	588.5	801.5	1 396.4	180.4	98.6
264	Miscellaneous converted paper products	2.8	69.5	2.2	4.2	49.1	219.2	264.9	483.3	3.1	28.7
27	**Printing and publishing**	**16.4**	**310.8**	**8.0**	**13.9**	**138.2**	**640.0**	**278.4**	**920.0**	**34.6**	**64.5**
271	Newspapers	9.0	180.8	2.9	5.4	65.7	396.4	96.5	492.5	29.2	25.5
275	Commercial printing	5.3	95.2	3.9	6.7	64.4	160.6	139.6	303.0	4.0	25.3
28	**Chemicals and allied products**	**9.4**	**273.6**	**4.4**	**8.9**	**115.9**	**719.8**	**395.9**	**1 123.4**	**14.4**	**95.7**
281	Industrial inorganic chemicals	6.9	224.1	3.1	6.3	91.6	581.4	140.9	727.0	(D)	15.6
29	**Petroleum and coal products**	**2.6**	**87.8**	**1.7**	**3.4**	**54.7**	**331.3**	**3 881.8**	**4 266.9**	**111.3**	**305.8**
30	**Rubber and miscellaneous plastics products**	**3.8**	**65.8**	**2.9**	**5.7**	**44.1**	**150.3**	**169.4**	**317.4**	**9.3**	**42.7**
307	Miscellaneous plastics products	3.2	58.3	2.5	4.9	38.5	130.1	157.8	285.4	9.2	38.1
32	**Stone, clay, and glass products**	**6.1**	**126.4**	**4.9**	**9.4**	**92.4**	**280.9**	**276.2**	**558.0**	**15.7**	**76.8**
327	Concrete, gypsum, and plaster products	2.9	66.8	2.3	4.1	48.9	136.7	138.6	279.4	2.5	29.7
33	**Primary metal industries**	**12.6**	**384.4**	**9.8**	**19.7**	**285.7**	**667.2**	**2 017.0**	**2 813.0**	**114.4**	**534.3**
333	Primary nonferrous metals	6.1	200.3	4.9	9.6	154.6	397.2	1 224.3	1 779.3	29.4	294.5
335	Nonferrous rolling and drawing	3.1	98.5	2.4	5.4	72.8	126.7	638.0	740.0	(D)	168.9
34	**Fabricated metal products**	**10.8**	**242.6**	**7.6**	**14.4**	**146.4**	**427.5**	**594.4**	**1 046.4**	**19.1**	**169.1**
344	Fabricated structural metal products	6.2	150.3	4.1	7.7	84.3	219.1	319.5	561.2	11.9	100.9
35	**Machinery, except electrical**	**16.3**	**371.8**	**10.0**	**18.4**	**186.3**	**658.8**	**577.0**	**1 248.2**	**39.3**	**272.7**
353	Construction and related machinery	3.1	79.8	1.5	2.7	35.6	106.5	174.3	296.7	5.4	82.7
357	Office and computing machines	5.5	122.2	3.1	5.8	47.2	241.6	177.3	413.8	21.1	84.9
359	Miscellaneous machinery, except electrical	2.6	52.7	2.1	3.5	35.3	96.0	37.7	133.8	8.9	15.1
36	**Electric and electronic equipment**	**12.6**	**278.2**	**6.4**	**12.4**	**98.9**	**622.1**	**347.8**	**961.5**	**81.5**	**188.6**
366	Communication equipment	2.5	56.6	1.3	2.4	19.7	103.4	61.5	157.2	14.6	48.4
367	Electronic components and accessories	5.0	105.1	2.7	5.1	39.8	267.2	148.3	410.9	57.2	66.9
369	Miscellaneous electrical equipment and supplies	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37	**Transportation equipment**	**70.7**	**2 060.2**	**33.7**	**59.9**	**891.5**	**3 352.6**	**5 955.5**	**11 016.5**	**110.7**	**5 247.3**
372	Aircraft and parts	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
373	Ship and boat building and repairing	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38	**Instruments and related products**	**6.7**	**151.1**	**4.1**	**7.3**	**68.5**	**376.2**	**146.0**	**514.1**	**25.5**	**26.9**
382	Measuring and controlling devices	4.0	92.5	2.5	4.6	43.5	242.3	97.1	330.5	16.0	67.8

See footnotes at end of table.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column[1] –			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
19.0	**351.6**	**13.1**	**23.9**	**208.4**	**701.3**	**695.0**	**1 423.8**	**52.6**	**3**	**4**	**27**	**Va.** **35**
5.1	91.0	3.2	6.2	51.1	171.4	249.3	430.0	10.6	1	6	3	353
2.7	45.1	1.6	3.0	25.0	74.6	121.9	199.0	6.1	2	3	7	358
3.3	57.4	2.7	5.3	43.3	103.3	46.9	149.0	6.6	11	8	58	359
31.5	**663.9**	**18.5**	**35.3**	**289.5**	**1 529.0**	**1 224.6**	**2 772.7**	**168.6**	**1**	**2**	**3**	**36**
6.7	151.6	3.8	8.2	69.4	310.6	184.1	504.2	46.8	1	1	1	362
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	365
11.5	282.2	4.9	9.1	76.3	558.3	268.9	822.8	51.1	2	1	3	366
5.0	86.3	3.8	7.4	57.5	335.2	160.7	493.2	40.4	2	5	8	367
36.4	**681.7**	**30.7**	**60.0**	**590.6**	**1 421.5**	**1 339.6**	**2 769.5**	**133.1**	**2**	**1**	**3**	**37**
6.4	122.9	5.0	9.3	84.8	444.2	651.5	1 105.0	(D)	1	1	(X)	371
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	373
5.3	**81.6**	**3.5**	**7.5**	**41.3**	**188.7**	**122.7**	**304.3**	**6.0**	**1**	**1**	**6**	**38**
3.1	**43.1**	**2.4**	**4.1**	**27.6**	**96.6**	**84.8**	**185.7**	**4.3**	**1**	**25**	**33**	**39**
11.4	**306.4**	-		-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
291.4	**6 680.6**	**177.6**	**327.0**	**3 624.3**	**12 595.5**	**23 225.6**	**34 665.1**	**1 074.3**	**1**	**1**	**3**	**Wash.**
30.2	**526.9**	**23.1**	**42.3**	**356.6**	**1 498.7**	**3 492.3**	**5 000.1**	**118.3**	**3**	**2**	**18**	**20**
3.8	70.2	3.2	6.5	56.0	130.1	956.5	1 091.4	5.9	10	3	6	201
9.9	147.3	8.8	16.8	121.3	513.2	587.3	1 106.1	34.3	5	2	9	203
3.2	65.0	1.7	3.0	29.2	130.5	88.9	219.4	4.6	4	1	48	205
3.2	71.2	1.9	3.2	39.7	200.3	427.6	631.0	45.7	6	5	50	208
6.2	84.6	5.2	8.1	59.1	272.0	504.9	776.5	17.2	4	7	27	209
4.7	**52.4**	**3.9**	**7.2**	**37.6**	**94.2**	**94.2**	**189.4**	**(D)**	**26**	**24**	**(X)**	**23**
34.7	**698.8**	**29.8**	**54.2**	**570.6**	**1 110.5**	**2 512.1**	**3 689.6**	**109.0**	**3**	**3**	**9**	**24**
11.7	257.1	10.1	13.6	216.1	456.1	1 281.8	1 781.7	49.4	5	5	8	241
12.4	249.6	10.8	19.2	204.0	359.2	721.9	1 097.1	42.4	5	6	13	242
7.4	140.7	6.3	11.8	113.9	196.5	355.4	556.4	11.5	3	7	21	243
2.8	**44.7**	**2.2**	**4.1**	**30.5**	**97.8**	**66.8**	**164.0**	**2.4**	**4**	**4**	**26**	**25**
15.5	**420.7**	**11.9**	**21.6**	**308.5**	**947.6**	**1 701.8**	**2 660.7**	**139.8**	**1**	**1**	**2**	**26**
6.8	195.8	5.3	9.3	144.5	454.4	798.5	1 251.4	97.9	1	1	2	262
3.0	70.7	2.3	4.4	51.5	213.2	262.6	475.6	9.3	1	2	17	264
16.2	**291.1**	**8.1**	**15.0**	**139.6**	**589.5**	**276.2**	**864.7**	**52.5**	**3**	**4**	**25**	**27**
8.9	163.6	3.2	6.1	61.3	335.9	115.7	451.5	30.7	3	6	29	271
5.2	88.3	3.8	6.0	60.0	164.2	114.3	277.5	17.8	2	5	46	275
8.8	**238.1**	**4.0**	**8.0**	**97.7**	**670.7**	**376.4**	**1 041.4**	**19.8**	**1**	**2**	**24**	**28**
6.3	185.4	2.8	5.5	75.0	521.3	124.5	645.4	(D)	1	2	(X)	281
2.9	**84.6**	**2.0**	**3.5**	**52.9**	**616.0**	**3 976.8**	**4 606.8**	**80.3**	**6**	**3**	**5**	**29**
4.3	**76.8**	**3.3**	**6.2**	**49.7**	**183.4**	**178.6**	**362.9**	**15.8**	**2**	**3**	**34**	**30**
3.8	69.4	2.8	5.4	44.6	162.8	167.6	331.9	15.1	2	3	35	307
5.8	**125.7**	**4.4**	**8.3**	**87.9**	**267.5**	**262.2**	**528.9**	**16.4**	**8**	**5**	**19**	**32**
3.1	71.3	2.2	4.2	47.9	143.5	141.9	285.9	8.0	3	7	22	327
13.8	**398.3**	**10.5**	**20.0**	**288.6**	**672.6**	**1 809.6**	**2 519.1**	**92.9**	**2**	**2**	**4**	**33**
6.4	202.2	4.8	9.5	147.0	303.4	1 092.1	1 389.7	40.6	2	2	1	333
3.1	94.6	2.4	4.2	67.7	157.3	559.2	754.0	(D)	1	3	(X)	335
11.7	**258.7**	**8.3**	**15.9**	**164.4**	**490.2**	**604.4**	**1 102.0**	**32.1**	**5**	**6**	**16**	**34**
6.9	162.1	4.8	9.0	98.5	256.6	318.5	581.7	18.0	8	10	25	344
16.8	**351.0**	**10.7**	**20.3**	**199.4**	**679.0**	**518.3**	**1 209.0**	**42.6**	**5**	**5**	**13**	**35**
3.6	90.4	1.9	3.6	45.0	153.3	195.3	358.9	12.0	2	10	33	353
4.6	76.6	2.8	5.3	35.6	190.5	114.1	299.0	13.5	1	4	3	357
3.2	64.8	2.5	4.7	47.3	115.0	45.5	165.0	9.0	30	26	50	359
11.9	**238.9**	**6.2**	**11.7**	**89.3**	**577.1**	**349.5**	**906.8**	**67.2**	**3**	**2**	**5**	**36**
2.9	54.8	1.5	2.8	22.7	109.5	80.8	190.8	30.9	13	11	27	366
4.4	84.4	2.5	4.4	30.7	242.9	145.7	374.2	21.3	1	1	1	367
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	369
84.0	**2 205.6**	**41.2**	**73.6**	**1 037.4**	**3 557.5**	**6 739.2**	**9 021.9**	**237.1**	**1**	**2**	**2**	**37**
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	372
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	373
7.2	**155.4**	**4.3**	**8.3**	**67.6**	**388.2**	**136.7**	**512.2**	**35.1**	**1**	**1**	**1**	**38**
4.1	89.1	2.4	4.9	40.5	222.1	81.3	298.8	26.3	1	1	1	382

Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries Includes industry groups with 2,500 employees or more For meaning of abbreviations and symbols, see introductory text For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Wash.	**Washington**—Con.										
39	**Miscellaneous manufacturing industries**	**3.8**	**62.1**	**2.3**	**4.8**	**31.1**	**116.8**	**86.9**	**201.6**	**2.9**	**50.9**
—	**Auxiliaries**[2]	**11.8**	**378.2**	-	-	-	-	-	-	-	-
W. Va.	**West Virginia**	**89.1**	**1 934.0**	**61.1**	**113.9**	**1 201.1**	**4 138.7**	**5 888.9**	**10 063.0**	**517.0**	**1 857.2**
20	**Food and kindred products**	**5.1**	**82.9**	**2.9**	**5.8**	**35.9**	**249.7**	**350.1**	**600.7**	**10.9**	**39.3**
23	**Apparel and other textile products**	**3.7**	**38.1**	**3.2**	**5.7**	**29.5**	**77.8**	**44.9**	**119.7**	**2.4**	**18.7**
24	**Lumber and wood products**	**4.4**	**46.9**	**4.0**	**6.6**	**38.6**	**117.9**	**127.0**	**244.6**	**4.8**	**44.2**
27	**Printing and publishing**	**4.4**	**62.8**	**2.4**	**4.3**	**32.8**	**156.0**	**95.5**	**255.1**	**(D)**	**21.4**
271	Newspapers	2.8	34.8	1.1	1.8	13.1	86.6	28.3	114.8	(D)	3.8
28	**Chemicals and allied products**	**16.5**	**484.6**	**11.2**	**22.7**	**309.9**	**1 450.9**	**2 254.1**	**3 710.7**	**351.6**	**535.8**
282	Plastics materials and synthetics	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
286	Industrial organic chemicals	9.7	285.4	6.8	13.8	191.2	670.0	1 493.3	2 165.4	184.0	404.9
32	**Stone, clay, and glass products**	**11.3**	**214.9**	**9.0**	**16.9**	**160.4**	**495.2**	**328.9**	**820.7**	**45.8**	**143.6**
322	Glass and glassware, pressed or blown	6.0	114.5	4.9	9.0	84.2	257.4	150.8	407.6	25.0	75.9
33	**Primary metal industries**	**14.5**	**445.8**	**10.5**	**18.6**	**309.5**	**673.8**	**1 404.9**	**2 096.3**	**22.3**	**616.2**
331	Blast furnace and basic steel products	9.0	288.1	6.4	12.2	205.7	387.4	808.1	1 214.1	(D)	340.6
335	Nonferrous rolling and drawing	4.6	134.5	3.2	4.9	87.2	247.0	561.4	805.4	(D)	257.4
34	**Fabricated metal products**	**5.7**	**106.9**	**4.3**	**8.3**	**73.8**	**201.5**	**245.1**	**452.4**	**16.7**	**91.6**
35	**Machinery, except electrical**	**5.1**	**98.5**	**3.7**	**6.7**	**64.8**	**160.6**	**183.5**	**354.0**	**4.7**	**93.5**
36	**Electric and electronic equipment**	**3.2**	**69.1**	**2.0**	**3.9**	**41.4**	**143.4**	**139.1**	**282.6**	**7.8**	**86.7**
—	**Auxiliaries**[2]	**5.0**	**132.3**	-	-	-	-	-	-	-	-
Wis.	**Wisconsin**	**477.4**	**10 325.5**	**319.9**	**612.2**	**6 158.7**	**23 420.8**	**31 662.6**	**55 121.5**	**1 385.5**	**7 377.6**
20	**Food and kindred products**	**53.4**	**996.0**	**39.8**	**76.1**	**687.0**	**3 545.6**	**9 630.5**	**13 160.9**	**266.0**	**988.8**
201	Meat products	10.5	224.9	8.4	16.5	168.7	630.8	2 030.3	2 648.3	32.0	104.1
202	Dairy products	15.2	262.9	11.9	23.3	192.4	1 046.9	5 078.8	6 136.7	83.8	384.4
203	Preserved fruits and vegetables	10.2	154.5	8.4	15.7	108.0	575.8	632.8	1 197.9	28.5	204.5
205	Bakery products	4.3	62.8	2.5	4.4	37.2	135.4	136.4	272.5	3.2	8.2
208	Beverages	7.6	194.3	4.7	8.9	122.9	624.0	964.1	1 592.7	90.9	185.7
22	**Textile mill products**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**
225	Knitting mills	2.8	38.1	2.2	4.1	25.3	81.0	58.4	136.9	(D)	33.1
23	**Apparel and other textile products**	**6.0**	**70.4**	**4.8**	**8.0**	**50.6**	**160.1**	**182.5**	**339.5**	**3.7**	**64.2**
24	**Lumber and wood products**	**19.6**	**295.4**	**16.2**	**30.9**	**219.3**	**599.0**	**748.7**	**1 327.0**	**39.0**	**213.5**
242	Sawmills and planing mills	3.1	39.3	2.7	5.0	31.1	80.9	91.4	171.6	1.2	29.1
243	Millwork, plywood, and structural members	9.4	148.7	7.8	15.6	110.9	303.0	364.2	649.9	17.7	119.0
25	**Furniture and fixtures**	**8.9**	**143.8**	**6.7**	**13.3**	**94.3**	**319.8**	**260.7**	**577.0**	**7.9**	**94.1**
251	Household furniture	3.8	56.4	3.1	6.3	43.8	121.9	118.4	240.3	2.3	37.5
26	**Paper and allied products**	**41.6**	**1 055.3**	**32.0**	**65.4**	**774.4**	**2 956.8**	**3 939.4**	**6 891.2**	**281.8**	**722.4**
262	Paper mills, except building paper	18.2	509.9	14.6	29.9	397.4	1 396.5	1 690.6	3 092.0	185.3	354.0
264	Miscellaneous converted paper products	14.9	354.0	10.9	22.7	243.6	1 151.1	1 671.8	2 814.2	76.1	259.8
265	Paperboard containers and boxes	6.7	140.4	4.9	9.9	94.6	281.7	410.0	689.6	12.6	85.7
27	**Printing and publishing**	**32.9**	**609.0**	**19.7**	**37.1**	**358.1**	**1 239.8**	**891.1**	**2 123.6**	**132.5**	**181.8**
271	Newspapers	9.4	133.1	3.4	6.0	47.5	316.2	106.1	420.4	11.4	15.2
273	Books	3.8	83.2	2.5	5.0	52.6	154.6	164.9	317.0	5.0	31.8
275	Commercial printing	15.1	308.4	11.3	21.4	217.0	571.7	479.8	1 047.7	105.7	99.8
28	**Chemicals and allied products**	**7.8**	**182.3**	**4.4**	**9.0**	**89.9**	**998.8**	**793.2**	**1 806.5**	**28.5**	**214.0**
30	**Rubber and miscellaneous plastics products**	**15.9**	**277.7**	**12.2**	**22.5**	**191.4**	**657.7**	**624.6**	**1 270.6**	**37.2**	**159.1**
307	Miscellaneous plastics products	12.1	192.5	9.3	17.0	128.8	457.8	474.4	922.4	32.5	116.4
31	**Leather and leather products**	**7.8**	**116.5**	**6.3**	**12.2**	**81.7**	**227.2**	**358.1**	**585.4**	**17.2**	**132.4**
311	Leather tanning and finishing	2.7	50.6	2.2	4.4	35.7	88.5	193.7	282.6	14.6	43.6
314	Footwear, except rubber	3.8	50.4	3.2	6.1	36.9	112.6	128.7	240.7	2.1	65.4
32	**Stone, clay, and glass products**	**6.3**	**138.6**	**4.8**	**9.8**	**93.9**	**428.4**	**351.7**	**777.6**	**13.5**	**103.3**
327	Concrete, gypsum, and plaster products	2.6	65.0	1.7	3.2	36.9	146.3	151.9	302.5	5.5	28.6
33	**Primary metal industries**	**19.3**	**412.5**	**14.7**	**27.0**	**289.7**	**721.4**	**720.1**	**1 440.6**	**42.4**	**211.7**
332	Iron and steel foundries	11.0	231.7	8.4	14.7	162.5	370.0	300.8	667.9	22.6	91.2
336	Nonferrous foundries	4.7	97.5	3.8	7.2	71.3	179.2	163.3	337.1	11.3	45.5
34	**Fabricated metal products**	**45.9**	**957.4**	**33.2**	**64.6**	**624.9**	**2 057.1**	**1 950.9**	**3 979.4**	**101.1**	**724.8**
341	Metal cans and shipping containers	3.0	86.7	2.5	4.9	68.5	266.6	502.3	763.6	9.5	81.3
342	Cutlery, hand tools, and hardware	5.0	105.6	3.5	6.4	63.8	224.2	117.8	344.0	6.6	73.0
343	Plumbing and heating, except electric	3.4	75.4	2.6	5.6	56.0	196.3	135.2	326.2	5.7	60.1
344	Fabricated structural metal products	11.2	223.7	7.5	13.9	130.7	415.9	456.1	865.0	36.0	175.3
345	Screw machine products, bolts, etc.	2.5	47.3	2.0	3.9	30.7	97.9	52.1	147.8	3.2	24.6
346	Metal forgings and stampings	12.7	270.1	9.3	17.6	175.7	527.5	431.2	949.3	26.9	203.8
349	Miscellaneous fabricated metal products	5.3	101.1	3.7	7.3	63.2	230.3	180.8	409.7	6.5	89.8

See footnotes at end of table.

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1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Wash.
3.8	62.4	2.4	4.5	31.8	119.1	92.0	211.8	7.4	4	9	25	39
14.6	433.4	-	-	-	-	-	-	-	1	(X)	(X)	—
95.8	2 007.0	65.2	121.5	1 233.0	4 049.2	5 761.0	9 868.8	393.7	1	2	3	W. Va.
5.7	89.7	2.8	5.9	36.5	225.3	334.0	558.5	16.5	4	6	27	20
4.1	39.9	3.5	6.0	29.9	77.5	44.3	122.0	2.2	2	4	18	23
4.2	45.0	3.7	6.6	36.8	91.1	122.6	212.0	5.9	3	10	50	24
4.3	59.9	2.4	4.2	31.9	145.5	89.2	234.9	(D)	3	4	(X)	27
2.7	33.4	1.2	2.0	13.0	82.7	27.4	110.1	(D)	1	2	(X)	271
17.1	471.9	11.6	22.8	297.0	1 438.7	2 078.6	3 437.6	176.9	1	1	1	28
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	282
9.9	274.8	6.9	13.5	180.6	726.6	1 386.2	2 030.4	116.6	1	1	1	286
11.5	208.6	9.0	17.0	154.5	415.5	341.7	760.6	36.3	1	8	29	32
6.3	114.0	5.0	9.4	84.9	230.6	165.9	398.7	22.6	1	1	7	322
17.2	499.1	11.8	21.6	337.5	580.9	1 353.9	2 042.9	41.8	2	2	1	33
11.2	338.4	7.8	14.5	236.0	386.3	818.6	1 234.2	(D)	1	3	(X)	331
4.5	132.1	2.8	5.0	80.1	142.6	499.1	725.7	(D)	1	1	(X)	335
6.5	124.2	4.9	9.5	85.5	259.9	277.0	551.7	43.7	4	6	3	34
6.0	109.8	4.4	8.2	71.1	206.8	197.7	418.8	11.7	4	10	25	35
3.2	63.8	2.1	4.0	38.7	140.4	142.0	276.5	16.1	5	1	21	36
4.7	132.9	-	-	-	-	-	-	-	1	(X)	(X)	—
496.7	10 197.1	328.7	621.0	5 990.3	22 545.6	29 487.4	52 447.8	1 547.2	1	1	4	Wis.
56.3	1 024.7	41.9	79.3	699.5	3 324.4	9 747.2	13 044.2	289.2	2	3	8	20
10.7	219.4	8.3	16.4	165.7	469.2	2 050.8	2 523.8	28.4	1	1	5	201
15.5	260.2	12.1	23.4	189.7	1 027.0	5 080.7	6 083.0	74.0	2	7	23	202
10.3	141.4	8.8	15.8	104.2	464.4	639.3	1 094.5	66.5	5	7	13	203
4.7	72.0	2.7	4.7	39.2	147.0	132.7	279.5	6.8	5	9	2	205
8.9	224.8	5.3	10.2	136.8	664.3	1 056.5	1 721.7	89.2	2	3	7	208
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(X)	(X)	(X)	22
2.7	34.8	2.1	3.9	23.4	73.6	53.9	128.0	(D)	1	1	(X)	225
5.9	65.7	4.6	7.6	43.1	149.1	154.9	302.3	4.6	2	3	9	23
18.0	254.0	14.6	26.8	186.5	489.6	613.5	1 114.5	43.5	3	4	30	24
2.9	36.2	2.4	4.5	28.3	69.0	79.7	150.2	4.5	4	6	41	242
8.4	123.1	6.7	13.0	90.0	216.0	283.3	507.4	7.4	5	3	55	243
8.9	135.6	6.6	12.8	87.7	297.2	227.4	526.6	15.4	2	2	13	25
3.8	53.0	3.2	6.0	40.4	108.7	105.6	215.2	3.1	3	2	36	251
41.3	970.8	32.0	64.5	710.1	2 997.1	3 738.6	6 731.1	307.2	1	1	5	26
18.1	465.8	14.6	29.7	360.1	1 341.1	1 625.3	2 960.7	196.6	1	1	4	262
14.8	329.3	11.0	22.3	229.9	1 272.5	1 576.0	2 849.5	69.3	2	2	17	264
6.5	130.2	4.9	9.5	86.1	259.1	393.4	651.7	17.2	2	3	14	265
32.1	541.7	18.8	34.0	310.4	1 103.8	805.9	1 911.9	82.5	2	2	22	27
9.7	127.3	3.4	6.1	45.5	294.1	107.1	402.0	8.2	1	2	42	271
3.6	70.7	2.3	4.4	43.8	129.1	147.5	279.7	11.2	1	1	1	273
14.2	268.6	10.5	19.0	182.8	499.6	407.3	906.1	55.9	3	3	26	275
8.4	198.1	4.4	9.1	86.2	888.6	774.8	1 668.6	29.3	2	2	14	28
15.4	267.6	11.6	21.9	176.8	569.7	577.3	1 143.5	46.1	2	4	19	30
11.7	187.0	8.8	16.7	120.5	397.9	437.5	832.0	38.6	3	6	21	307
8.4	117.9	6.5	12.1	80.8	243.2	339.2	580.1	7.5	4	3	57	31
2.6	49.6	2.1	4.1	35.0	97.2	175.1	273.7	4.6	2	6	67	311
4.0	48.5	3.1	5.7	34.4	110.7	118.3	226.6	2.3	1	1	3	314
7.7	145.5	5.8	11.7	101.2	387.2	341.3	728.3	22.5	13	4	30	32
3.6	70.6	2.6	5.1	45.0	140.6	163.5	305.8	10.6	18	6	68	327
21.8	429.1	16.6	29.7	300.3	718.2	700.3	1 459.7	63.5	1	2	8	33
12.8	246.2	9.7	16.8	172.2	396.3	305.7	717.2	39.2	1	2	13	332
4.6	90.0	3.6	6.8	64.5	145.0	144.7	295.6	13.1	1	2	6	336
46.7	939.2	33.5	63.4	612.8	1 885.9	1 959.8	3 930.3	89.1	2	2	6	34
3.1	84.0	2.6	5.0	67.2	268.7	472.3	754.0	8.1	1	1	1	341
5.1	99.7	3.7	6.6	66.0	250.5	217.5	467.5	13.1	1	3	16	342
3.2	65.3	2.4	4.7	47.8	154.9	120.5	289.5	8.0	2	2	2	343
11.9	231.0	7.8	15.6	137.4	407.2	486.7	904.7	19.0	2	4	7	344
2.3	42.8	1.7	3.4	28.7	77.7	43.9	123.2	3.7	4	6	27	345
12.6	267.3	9.0	16.5	175.0	452.1	391.0	885.1	26.6	2	3	7	346
5.4	98.0	3.7	7.0	58.7	181.4	165.8	350.1	8.0	2	5	9	349

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Table 2. Statistics by Selected Industry Group for the United States and States: 1983 and

[Includes operating manufacturing establishments and auxiliaries. Includes industry groups with 2,500 employees or more. For meaning of abbreviations and symbols, see introductory text For

State and SIC code	Geographic area and industry group	1983									
		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
		A	B	C	D	E	F	G	H	I	J
Wis.	**Wisconsin**—Con.										
35	**Machinery, except electrical**	**83.8**	**1 963.6**	**54.8**	**102.1**	**1 171.2**	**4 439.5**	**3 460.5**	**8 097.5**	**216.3**	**1 926.2**
351	Engines and turbines	16.0	430.0	12.1	22.7	319.7	999.8	893.7	1 911.1	52.6	330.5
352	Farm and garden machinery	10.5	250.3	7.1	12.4	142.7	874.4	744.4	1 624.6	26.0	305.1
353	Construction and related machinery	10.3	254.7	6.3	11.5	144.8	545.2	484.0	1 080.2	31.6	389.2
354	Metalworking machinery	9.6	210.6	6.5	12.2	128.1	330.1	178.2	564.6	23.3	158.9
355	Special industry machinery	9.5	222.3	5.0	9.6	104.0	416.4	339.1	794.2	14.2	217.5
356	General industrial machinery	11.0	257.7	6.7	11.7	136.1	513.2	307.1	846.5	22.8	244.1
358	Refrigeration and service machinery	7.3	163.7	3.9	8.1	78.0	305.9	286.4	606.8	22.7	129.2
359	Miscellaneous machinery, except electrical	7.4	135.1	5.7	11.1	92.6	232.1	135.4	364.8	12.0	57.4
36	**Electric and electronic equipment**	**44.4**	**916.8**	**28.9**	**52.4**	**498.6**	**2 104.3**	**1 655.9**	**3 760.1**	**91.8**	**778.5**
361	Electric distributing equipment	5.8	112.1	4.4	7.2	75.7	285.4	211.5	491.4	6.0	81.6
362	Electrical industrial apparatus	17.3	386.4	10.3	18.5	192.9	642.2	506.9	1 140.4	28.3	336.2
363	Household appliances	6.4	135.8	4.4	8.2	80.9	351.8	320.3	664.5	17.3	109.5
369	Miscellaneous electrical equipment and supplies	8.0	173.4	5.0	9.4	85.4	581.0	409.1	997.8	29.9	150.6
37	**Transportation equipment**	**31.7**	**895.9**	**25.7**	**51.7**	**699.7**	**2 032.7**	**5 102.9**	**7 118.7**	**62.9**	**511.2**
371	Motor vehicles and equipment	28.0	823.1	22.7	46.5	649.3	1 901.1	4 894.3	6 780.4	57.4	453.3
38	**Instruments and related products**	**9.1**	**168.8**	**5.8**	**11.2**	**88.9**	**392.0**	**226.8**	**625.0**	**8.3**	**118.3**
382	Measuring and controlling devices	2.8	58.8	1.6	3.2	27.6	127.1	65.7	198.3	2.9	36.4
384	Medical instruments and supplies	2.9	50.3	2.1	4.0	31.3	117.9	75.6	201.6	2.8	32.1
39	**Miscellaneous manufacturing industries**	**8.7**	**141.5**	**6.2**	**11.5**	**81.7**	**312.3**	**283.6**	**608.8**	**21.6**	**120.5**
399	Miscellaneous manufactures	4.7	82.8	3.2	5.8	43.0	167.0	149.9	315.0	5.6	65.1
—	**Auxiliaries**[2]	**29.6**	**890.2**	-	-	-	-	-	-	-	-
Wyo.	**Wyoming**	**8.9**	**167.0**	**6.1**	**12.4**	**102.3**	**308.4**	**1 862.9**	**2 159.1**	**44.0**	**256.9**

[1] Description of standard error of estimate is given in Introduction under Qualifications of the Data. Percentage standard errors shown for columns A, F, and I are approximate relative standard errors of estimates of level for 1983.

[2] Only includes data for privately owned and/or operating manufacturing establishments, manufacturing concerns reported separately for auxiliary units which serve the manufacturing establishments of a company (e.g., storage warehouses, power plants, research laboratories, garages, repair shops, etc.), rather than the general public. Separate reports were obtained if these units were at different geographic locations from establishments served or if they serviced more than one manufacturing establishment Employment and payroll data shown represent total for all such units which primarily serve manufacturing plants.

1982—Con.

explanation of terms, see appendixes]

1982									Standard error of estimate (percent) for column¹—			State and SIC code
All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)				
Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)								
K	L	M	N	O	P	Q	R	S	A	F	I	
												Wis.
98.4	**2 190.2**	**64.5**	**121.7**	**1 315.7**	**4 978.5**	**3 960.0**	**9 149.7**	**241.6**	**1**	**3**	**5**	**35**
19.6	471.7	14.8	28.1	352.0	994.9	961.1	2 026.0	48.7	1	2	1	351
11.1	254.7	7.5	13.5	142.2	827.1	773.8	1 642.6	36.6	2	1	4	352
13.7	324.1	8.5	15.9	188.3	805.8	617.2	1 452.1	22.6	4	5	4	353
11.3	248.1	7.5	14.3	146.6	542.1	259.7	818.9	29.4	4	24	21	354
11.5	259.5	6.6	13.0	132.2	498.1	436.3	940.0	13.5	5	7	22	355
13.2	286.2	7.9	14.2	160.1	591.5	347.8	974.4	34.8	2	3	5	356
8.5	174.1	4.4	8.9	80.9	330.4	328.7	670.0	25.5	3	7	5	358
7.5	133.6	5.8	11.3	90.7	240.1	135.8	377.6	24.3	3	8	26	359
47.3	**940.7**	**29.7**	**53.4**	**503.4**	**1 997.3**	**1 636.7**	**3 684.2**	**109.9**	**1**	**1**	**5**	**36**
5.8	108.4	4.1	6.6	66.7	249.2	206.7	458.6	8.1	1	1	1	361
19.8	424.5	11.6	20.6	217.9	699.7	487.9	1 225.8	36.6	1	1	11	362
6.6	130.3	4.3	7.9	71.8	313.9	290.6	614.9	13.2	1	1	1	363
8.2	165.9	4.9	9.1	84.0	482.7	358.1	848.7	31.6	1	1	1	369
26.9	**728.6**	**21.0**	**42.3**	**547.9**	**1 596.6**	**2 971.5**	**4 599.9**	**152.1**	**2**	**2**	**7**	**37**
22.7	644.8	17.6	35.6	485.6	1 438.4	2 801.8	4 270.6	139.6	2	2	7	371
10.1	**177.4**	**6.0**	**10.8**	**82.8**	**357.0**	**231.6**	**593.6**	**19.0**	**4**	**2**	**5**	**38**
3.1	61.3	1.8	3.4	27.6	115.1	63.8	179.8	8.7	11	6	4	382
2.9	47.9	2.1	3.9	26.6	112.4	82.8	196.6	4.6	1	2	13	384
9.8	**145.2**	**7.0**	**12.9**	**88.5**	**358.7**	**255.2**	**606.5**	**13.7**	**4**	**5**	**19**	**39**
5.3	82.6	3.5	6.3	45.5	219.4	145.7	355.9	7.2	6	7	24	399
28.6	**840.4**	-	-	-	-	-	-	-	**1**	**(X)**	**(X)**	**—**
9.9	**183.3**	**6.6**	**13.2**	**115.3**	**407.7**	**2 082.5**	**2 558.4**	**49.8**	**7**	**8**	**11**	**Wyo.**

Table 3. Supplemental Statistics for the United States and States: 1983

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	United States		Alabama		Alaska		Arizona	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	307 213.3	(X)	4 429.7	(X)	329.8	(X)	2 441.5	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	100 424.1	(X)	1 632.7	(X)	125.2	(X)	353.2	(X)
LIFO reserve	38 632.6	(X)	635.8	(X)	65.0	(X)	111.4	(X)
LIFO value	61 791.4	(X)	996.9	(X)	60.2	(X)	241.7	(X)
Not subject to LIFO costing	171 763.6	(X)	2 274.9	(X)	150.7	(X)	1 864.2	(X)
Valuation method not reported[4]	33 272.3	(X)	502.1	(X)	53.9	(X)	220.3	(X)
Amount subject to LIFO reported without associated reserve and value[5]	1 753.3	(X)	20.1	(X)	-	(X)	3.8	(X)
Detail by stage of fabrication:								
Finished goods	100 740.8	(X)	1 579.5	(X)	195.3	(X)	671.1	(X)
Work-in-process	103 140.2	(X)	1 266.0	(X)	20.5	(X)	1 189.5	(X)
Materials and supplies	103 332.3	(X)	1 584.3	(X)	114.1	(X)	580.9	(X)
End of 1983, total[2]	307 999.9	1	4 710.3	2	308.1	4	2 398.9	1
Detail by method of valuation:								
Subject to LIFO costing[3]	102 177.3	1	1 828.0	2	102.0	4	331.5	2
LIFO reserve	38 938.7	1	692.8	2	60.4	5	92.9	3
LIFO value	63 338.7	1	1 135.2	2	41.5	8	238.6	2
Not subject to LIFO costing	172 871.5	1	2 356.9	3	142.3	6	1 861.1	1
Valuation method not reported[4]	30 724.9	1	508.2	4	63.9	17	203.6	4
Amount subject to LIFO reported without associated reserve and value[5]	2 226.2	3	17.3	2	-	1	2.7	52
Detail by stage of fabrication:								
Finished goods	98 896.0	1	1 590.6	2	184.4	7	567.7	2
Work-in-process	103 677.9	1	1 460.1	3	22.1	11	1 244.7	1
Materials and supplies	105 426.1	1	1 659.6	2	101.7	2	586.5	2
Gross book value of depreciable assets:								
Total:								
Beginning of year	696 256.0	1	16 119.9	1	1 283.4	3	5 063.7	3
New capital expenditures	61 920.3	1	1 619.6	2	34.6	18	720.6	2
Used capital expenditures	5 553.1	3	64.3	8	4.3	66	54.3	54
Retirements	33 220.5	1	507.1	3	22.1	28	381.8	5
End of year	730 508.9	1	17 296.7	1	1 300.2	3	5 456.7	3
Buildings and other structures:								
Beginning of year	164 577.1	1	2 637.3	2	244.0	3	1 305.3	2
New capital expenditures	11 568.1	1	162.3	4	4.5	28	173.1	3
Used capital expenditures	1 309.4	5	9.0	14	.5	45	5.7	21
Retirements	6 442.5	2	58.5	6	10.4	37	47.3	6
End of year	171 012.2	1	2 750.1	2	238.6	3	1 436.8	2
Machinery and equipment:								
Beginning of year	531 678.9	1	13 482.6	1	1 039.4	3	3 758.4	3
New capital expenditures	50 352.2	1	1 457.3	2	30.1	17	547.5	3
Used capital expenditures	4 243.7	3	55.3	9	3.8	70	48.6	61
Retirements	26 778.2	1	448.6	3	11.7	22	334.5	5
End of year	559 496.7	1	14 546.6	1	1 061.6	3	4 019.9	3
Depreciation charges during 1983:								
Total	48 551.9	1	1 037.7	2	74.0	8	401.6	3
Buildings and other structures	7 671.8	1	121.0	3	11.9	7	58.2	3
Machinery and equipment	40 880.1	1	916.7	2	62.1	8	343.4	3
Rental payments:								
Total	10 414.9	1	105.2	5	10.8	17	89.1	9
Buildings and other structures	4 718.3	1	32.6	9	3.8	31	39.3	6
Machinery and equipment	5 696.6	1	72.6	5	7.0	12	49.8	15
Supplemental labor costs:								
Total	84 300.4	1	1 282.1	1	53.2	7	657.7	2
Legal costs	32 316.8	1	494.8	2	25.8	7	240.3	2
Voluntary costs	51 983.6	1	787.3	1	27.4	8	417.4	2
Cost of purchased fuels used for heat and power	29 990.7	1	806.9	1	55.5	3	160.6	7
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	616 518.2	1	18 109.4	1	221.6	4	2 773.6	4
Cost	28 614.0	1	828.0	1	16.5	7	174.3	3
Generated less sold (million kWh)	61 122.6	(NA)	3 149.8	(NA)	265.0	(NA)	443.2	(NA)

See footnotes at end of table.

Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Arkansas		California		Colorado		Connecticut	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	2 758.5	(X)	35 601.6	(X)	2 469.7	(X)	7 298.4	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	1 029.1	(X)	6 464.6	(X)	584.4	(X)	1 641.0	(X)
LIFO reserve	368.2	(X)	2 441.5	(X)	205.1	(X)	539.2	(X)
LIFO value	660.9	(X)	4 023.2	(X)	379.3	(X)	1 101.8	(X)
Not subject to LIFO costing	1 436.9	(X)	24 282.8	(X)	1 520.1	(X)	5 050.4	(X)
Valuation method not reported[4]	271.2	(X)	4 729.9	(X)	350.3	(X)	567.5	(X)
Amount subject to LIFO reported without associated reserve and value[5]	21.4	(X)	124.3	(X)	14.9	(X)	39.6	(X)
Detail by stage of fabrication:								
Finished goods	988.2	(X)	10 697.9	(X)	702.1	(X)	2 535.0	(X)
Work-in-process	642.0	(X)	15 379.8	(X)	958.4	(X)	2 915.3	(X)
Materials and supplies	1 128.3	(X)	9 523.9	(X)	809.1	(X)	1 848.1	(X)
End of 1983, total[2]	3 040.0	1	36 757.0	1	2 614.4	2	7 323.6	1
Detail by method of valuation:								
Subject to LIFO costing[3]	1 144.4	2	6 812.2	1	582.6	2	1 807.4	2
LIFO reserve	411.0	3	2 404.1	1	204.7	2	651.5	1
LIFO value	733.5	2	4 408.2	1	377.9	3	1 155.9	2
Not subject to LIFO costing	1 629.0	1	25 111.9	1	1 715.4	2	4 976.5	1
Valuation method not reported[4]	238.4	7	4 677.5	1	308.2	11	527.6	3
Amount subject to LIFO reported without associated reserve and value[5]	28.2	4	155.5	7	8.2	15	12.1	26
Detail by stage of fabrication:								
Finished goods	988.0	1	10 727.0	1	698.5	2	2 435.0	1
Work-in-process	764.5	2	15 945.8	1	1 037.7	3	2 930.3	1
Materials and supplies	1 287.6	2	10 084.1	1	878.2	3	1 958.3	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	6 690.7	2	56 648.1	1	6 481.5	2	9 829.7	1
New capital expenditures	487.5	3	6 932.4	1	737.4	6	972.3	2
Used capital expenditures	47.8	15	531.6	14	69.5	11	77.5	23
Retirements	223.3	10	2 906.0	2	478.7	4	366.7	6
End of year	7 002.6	2	61 206.1	1	6 809.7	2	10 512.8	1
Buildings and other structures:								
Beginning of year	1 471.8	3	16 468.8	1	1 862.5	2	2 725.6	2
New capital expenditures	74.9	8	1 755.0	2	122.1	6	190.1	2
Used capital expenditures	3.8	22	206.9	7	16.7	30	31.8	54
Retirements	26.9	13	673.5	3	61.8	10	48.4	8
End of year	1 523.5	3	17 757.2	1	1 939.5	2	2 899.1	2
Machinery and equipment:								
Beginning of year	5 218.9	2	40 179.3	1	4 619.0	2	7 104.1	1
New capital expenditures	412.6	3	5 177.4	2	615.3	6	782.2	3
Used capital expenditures	44.0	16	324.7	20	52.8	9	45.7	8
Retirements	196.4	10	2 232.5	2	416.9	3	318.3	6
End of year	5 479.1	2	43 448.9	1	4 870.2	2	7 613.7	1
Depreciation charges during 1983:								
Total	479.0	4	4 477.7	1	506.5	3	734.3	2
Buildings and other structures	72.2	6	842.0	2	95.7	9	134.1	6
Machinery and equipment	406.8	4	3 635.7	1	410.8	2	600.2	2
Rental payments:								
Total	69.5	4	1 700.5	2	126.1	4	261.5	3
Buildings and other structures	23.4	7	1 004.3	2	63.6	4	99.6	5
Machinery and equipment	46.1	4	696.2	2	62.5	5	161.9	2
Supplemental labor costs:								
Total	658.0	2	9 522.2	1	844.7	2	1 901.5	1
Legal costs	292.9	2	3 701.3	1	321.6	2	713.8	1
Voluntary costs	365.1	2	5 820.9	1	523.1	2	1 187.7	1
Cost of purchased fuels used for heat and power	388.9	1	2 126.7	1	170.8	1	270.0	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	8 237.8	2	37 509.2	1	3 376.8	2	5 415.6	1
Cost	301.9	1	2 447.5	1	157.7	2	399.5	1
Generated less sold (million kWh)	1 125.1	(NA)	2 172.2	(NA)	236.4	(NA)	142.5	(NA)

See footnotes at end of table.

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Table 3. Supplemental Statistics for the United States and States: 1983—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Delaware		District of Columbia		Florida		Georgia	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	998.5	(X)	109.5	(X)	5 682.0	(X)	7 065.9	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	354.8	(X)	6.4	(X)	1 124.7	(X)	2 555.1	(X)
LIFO reserve	136.3	(X)	1.1	(X)	278.3	(X)	887.5	(X)
LIFO value	218.5	(X)	5.3	(X)	846.4	(X)	1 667.6	(X)
Not subject to LIFO costing	552.8	(X)	75.3	(X)	3 414.7	(X)	3 750.3	(X)
Valuation method not reported[4]	90.7	(X)	27.8	(X)	1 107.6	(X)	719.8	(X)
Amount subject to LIFO reported without associated reserve and value[5]	.2	(X)	-	(X)	35.1	(X)	40.7	(X)
Detail by stage of fabrication:								
Finished goods	339.3	(X)	39.6	(X)	1 912.8	(X)	2 239.0	(X)
Work-in-process	269.8	(X)	18.6	(X)	1 858.9	(X)	1 895.6	(X)
Materials and supplies	389.3	(X)	51.3	(X)	1 910.3	(X)	2 931.2	(X)
End of 1983, total[2]	1 016.3	2	99.0	2	6 185.7	1	7 516.5	1
Detail by method of valuation:								
Subject to LIFO costing[3]	(S)	(X)	6.2	3	1 180.7	2	2 814.6	1
LIFO reserve	(S)	(X)	1.1	1	275.8	4	968.2	1
LIFO value	(S)	(X)	5.2	3	904.9	2	1 846.4	1
Not subject to LIFO costing	(S)	(X)	54.3	3	3 870.9	2	3 987.1	1
Valuation method not reported[4]	60.9	6	38.5	4	1 111.3	4	678.4	3
Amount subject to LIFO reported without associated reserve and value[5]	.2	1	-	1	22.9	27	36.4	11
Detail by stage of fabrication:								
Finished goods	397.1	3	28.2	2	1 978.7	2	2 405.0	1
Work-in-process	189.8	3	21.8	3	2 225.6	1	2 014.8	1
Materials and supplies	429.4	1	49.0	4	1 981.4	3	3 096.7	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	2 810.0	3	324.4	4	14 143.4	2	16 659.4	1
New capital expenditures	246.9	9	69.8	5	1 351.9	3	1 350.3	4
Used capital expenditures	9.8	50	3.1	25	68.4	19	105.9	9
Retirements	66.8	18	15.9	8	529.9	7	656.6	3
End of year	3 000.0	2	381.4	4	15 033.8	2	17 459.0	1
Buildings and other structures:								
Beginning of year	438.2	3	130.7	4	2 954.3	2	3 554.2	2
New capital expenditures	24.2	31	35.7	2	290.0	3	209.3	6
Used capital expenditures	2.0	44	1.0	1	23.3	48	20.8	11
Retirements	9.7	36	3.0	6	67.0	7	111.2	5
End of year	454.8	2	164.4	3	3 200.6	2	3 673.1	2
Machinery and equipment:								
Beginning of year	2 371.8	3	193.7	4	11 189.1	2	13 105.2	1
New capital expenditures	222.7	7	34.1	8	1 061.9	3	1 141.0	4
Used capital expenditures	7.8	61	2.1	36	45.1	13	85.1	11
Retirements	57.1	15	12.9	10	462.9	7	545.4	3
End of year	2 545.2	3	217.0	5	11 833.2	2	13 785.9	1
Depreciation charges during 1983:								
Total	150.3	2	26.3	6	1 075.4	2	1 157.8	2
Buildings and other structures	20.7	4	5.5	3	145.9	3	174.6	3
Machinery and equipment	129.6	2	20.8	7	929.5	2	983.2	2
Rental payments:								
Total	17.5	6	17.7	16	292.7	5	229.4	3
Buildings and other structures	5.4	13	10.1	19	144.6	9	80.2	5
Machinery and equipment	12.1	5	7.6	15	148.1	4	149.2	3
Supplemental labor costs:								
Total	276.6	2	62.7	3	1 610.8	1	1 634.4	1
Legal costs	86.2	2	26.4	2	645.8	1	679.6	1
Voluntary costs	190.4	2	36.3	3	965.0	1	954.8	1
Cost of purchased fuels used for heat and power	140.6	3	1.1	174	503.9	6	740.6	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	2 202.3	1	96.0	7	9 138.7	2	16 023.7	1
Cost	108.5	1	8.2	4	549.7	3	712.6	1
Generated less sold (million kWh)	(D)	(X)	-	(NA)	2 216.7	(NA)	3 170.9	(NA)

See footnotes at end of table.

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Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Hawaii		Idaho		Illinois		Indiana	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	445.9	(X)	748.6	(X)	17 380.2	(X)	10 314.9	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	245.9	(X)	317.2	(X)	7 410.2	(X)	4 136.7	(X)
LIFO reserve	90.7	(X)	113.0	(X)	3 017.7	(X)	1 958.0	(X)
LIFO value	155.2	(X)	204.2	(X)	4 392.5	(X)	2 178.7	(X)
Not subject to LIFO costing	142.5	(X)	333.2	(X)	8 112.5	(X)	5 509.5	(X)
Valuation method not reported[4]	57.3	(X)	92.3	(X)	1 773.1	(X)	637.4	(X)
Amount subject to LIFO reported without associated reserve and value[5]	.2	(X)	5.9	(X)	84.3	(X)	31.3	(X)
Detail by stage of fabrication:								
Finished goods	222.3	(X)	290.2	(X)	6 730.1	(X)	3 190.8	(X)
Work-in-process	46.6	(X)	118.6	(X)	4 943.0	(X)	3 349.8	(X)
Materials and supplies	176.9	(X)	339.8	(X)	5 707.0	(X)	3 774.2	(X)
End of 1983, total[2]	407.2	5	747.5	1	17 206.8	1	10 171.6	1
Detail by method of valuation:								
Subject to LIFO costing[3]	207.0	4	333.8	2	7 404.5	1	4 245.4	1
LIFO reserve	129.6	1	74.9	2	2 947.7	1	1 986.7	1
LIFO value	77.4	11	258.9	3	4 456.9	2	2 258.8	1
Not subject to LIFO costing	156.9	15	307.5	2	8 016.0	2	5 275.5	1
Valuation method not reported[4]	43.2	15	98.4	3	1 626.7	5	581.6	3
Amount subject to LIFO reported without associated reserve and value[5]	.2	1	7.7	1	159.6	10	69.1	11
Detail by stage of fabrication:								
Finished goods	204.0	7	329.6	1	6 352.1	1	3 297.7	1
Work-in-process	52.2	3	113.4	3	4 783.5	1	3 298.8	1
Materials and supplies	151.0	9	304.6	2	6 071.2	2	3 575.1	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	1 079.9	4	1 886.6	2	39 481.1	1	28 946.7	1
New capital expenditures	60.6	12	139.1	2	2 935.7	2	2 069.5	2
Used capital expenditures	1.5	10	6.3	23	412.4	9	200.0	26
Retirements	36.8	10	38.8	6	2 210.7	2	1 350.3	2
End of year	1 105.2	4	1 993.2	2	40 618.5	1	29 865.9	1
Buildings and other structures:								
Beginning of year	373.3	3	402.1	3	9 797.2	1	6 106.3	2
New capital expenditures	17.1	7	27.9	4	460.0	5	325.7	4
Used capital expenditures	.4	1	1.8	72	61.1	8	37.8	9
Retirements	7.8	10	7.8	12	356.0	5	234.5	3
End of year	383.0	3	424.0	2	9 962.3	1	6 235.3	2
Machinery and equipment:								
Beginning of year	706.6	4	1 484.5	2	29 683.9	1	22 840.4	1
New capital expenditures	43.5	15	111.2	2	2 475.7	2	1 743.8	2
Used capital expenditures	1.1	13	4.5	15	351.3	11	162.2	31
Retirements	29.0	12	31.0	6	1 854.7	2	1 115.8	2
End of year	722.2	5	1 569.2	2	30 656.2	1	23 630.6	1
Depreciation charges during 1983:								
Total	64.3	7	126.4	3	2 886.2	2	1 632.3	2
Buildings and other structures	17.6	7	26.7	15	440.6	3	243.3	2
Machinery and equipment	46.7	8	99.7	3	2 445.6	2	1 389.0	2
Rental payments:								
Total	20.4	24	17.9	26	640.1	4	273.9	3
Buildings and other structures	14.5	32	6.7	31	301.4	5	78.8	5
Machinery and equipment	5.9	13	11.2	37	338.7	4	195.1	3
Supplemental labor costs:								
Total	75.7	4	197.6	2	4 984.0	1	3 589.4	1
Legal costs	36.1	4	85.1	2	1 917.9	1	1 205.0	2
Voluntary costs	39.6	6	112.5	2	3 066.1	1	2 384.4	1
Cost of purchased fuels used for heat and power	52.4	3	110.4	1	1 394.6	1	1 257.4	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	389.5	8	3 108.9	1	28 702.1	1	24 864.6	1
Cost	35.4	6	107.3	1	1 482.8	1	1 043.6	1
Generated less sold (million kWh)	281.2	(NA)	(D)	(X)	988.7	(NA)	2 855.7	(NA)

See footnotes at end of table.

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Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Iowa		Kansas		Kentucky		Lousiana	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	4 039.2	(X)	3 584.2	(X)	4 463.1	(X)	5 331.4	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	1 744.8	(X)	1 235.1	(X)	1 726.3	(X)	2 076.7	(X)
LIFO reserve	769.9	(X)	345.0	(X)	672.7	(X)	1 018.4	(X)
LIFO value	974.9	(X)	890.1	(X)	1 053.7	(X)	1 058.3	(X)
Not subject to LIFO costing	2 008.4	(X)	1 975.3	(X)	2 319.9	(X)	2 724.0	(X)
Valuation method not reported[4]	265.0	(X)	364.5	(X)	303.6	(X)	480.2	(X)
Amount subject to LIFO reported without associated reserve and value[5]	21.0	(X)	9.4	(X)	113.3	(X)	50.5	(X)
Detail by stage of fabrication:								
Finished goods	1 619.3	(X)	1 052.0	(X)	2 015.0	(X)	2 247.7	(X)
Work-in-process	1 141.8	(X)	1 280.1	(X)	1 040.9	(X)	1 306.3	(X)
Materials and supplies	1 278.0	(X)	1 252.2	(X)	1 407.3	(X)	1 777.3	(X)
End of 1983, total[2]	4 013.9	1	3 985.8	2	4 762.9	1	4 538.5	1
Detail by method of valuation:								
Subject to LIFO costing[3]	1 882.8	2	1 344.4	1	1 982.3	1	1 744.5	1
LIFO reserve	877.0	1	508.5	1	725.3	1	842.1	1
LIFO value	1 005.8	3	835.9	1	1 257.0	1	902.5	1
Not subject to LIFO costing	1 915.7	1	2 326.9	2	2 346.2	2	2 260.5	2
Valuation method not reported[4]	206.0	7	237.6	4	422.2	9	506.8	4
Amount subject to LIFO reported without associated reserve and value[5]	9.3	27	26.9	18	12.2	27	26.6	1
Detail by stage of fabrication:								
Finished goods	1 607.6	2	1 035.8	2	2 001.6	1	1 813.6	1
Work-in-process	1 126.7	1	1 601.3	1	1 193.0	2	1 008.9	1
Materials and supplies	1 279.6	1	1 298.8	2	1 568.2	2	1 716.1	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	9 384.7	2	5 913.6	2	10 386.4	1	24 648.8	1
New capital expenditures	542.1	4	624.4	6	962.8	3	2 035.4	2
Used capital expenditures	38.8	5	41.3	13	126.3	12	481.3	1
Retirements	321.5	14	244.7	5	402.1	5	1 543.9	2
End of year	9 644.0	2	6 334.6	2	11 073.3	1	25 621.6	1
Buildings and other structures:								
Beginning of year	2 333.5	2	1 826.8	2	2 245.5	3	5 867.7	1
New capital expenditures	98.9	9	213.0	6	113.1	13	434.9	4
Used capital expenditures	8.1	13	16.5	20	15.2	3	71.1	3
Retirements	79.1	19	54.9	9	61.1	5	884.3	3
End of year	2 361.4	2	2 001.3	2	2 312.7	3	5 489.4	2
Machinery and equipment:								
Beginning of year	7 051.2	2	4 086.8	2	8 140.9	2	18 781.1	1
New capital expenditures	443.2	3	411.4	6	849.7	2	1 600.5	2
Used capital expenditures	30.7	5	24.8	13	111.1	14	410.2	2
Retirements	242.4	13	189.8	4	341.1	5	659.6	3
End of year	7 282.6	2	4 333.3	2	8 760.6	2	20 132.2	1
Depreciation charges during 1983:								
Total	711.9	2	478.2	8	699.6	2	1 459.7	2
Buildings and other structures	103.0	2	94.7	6	87.6	12	287.5	7
Machinery and equipment	608.9	2	383.5	9	612.0	2	1 172.2	2
Rental payments:								
Total	115.3	3	83.8	5	89.7	8	143.3	2
Buildings and other structures	33.6	5	29.5	9	30.4	11	31.3	5
Machinery and equipment	81.7	3	54.3	5	59.3	7	112.0	2
Supplemental labor costs:								
Total	1 115.5	1	776.6	1	1 104.8	1	924.7	1
Legal costs	415.2	1	312.9	1	421.1	1	347.0	2
Voluntary costs	700.3	1	463.7	2	683.7	2	577.7	1
Cost of purchased fuels used for heat and power	409.2	1	274.0	2	299.6	2	1 635.5	1
Electric energy used for heat and power								
Purchased:								
Quantity (million kWh)	7 562.5	2	4 854.7	2	21 705.7	1	21 269.8	1
Cost	317.7	1	230.9	1	897.6	1	959.0	1
Generated less sold (million kWh)	483.0	(NA)	43.6	(NA)	(D)	(X)	5 807.5	(NA)

See footnotes at end of table.

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Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Maine		Maryland		Massachusetts		Michigan	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	1 245.7	(X)	3 395.8	(X)	8 549.9	(X)	10 362.8	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	361.6	(X)	730.7	(X)	2 639.8	(X)	3 102.1	(X)
LIFO reserve	138.0	(X)	202.4	(X)	934.8	(X)	1 098.6	(X)
LIFO value	223.6	(X)	528.4	(X)	1 705.0	(X)	2 003.5	(X)
Not subject to LIFO costing	725.6	(X)	2 308.9	(X)	4 630.1	(X)	6 054.3	(X)
Valuation method not reported[4]	145.4	(X)	336.6	(X)	1 241.0	(X)	1 162.1	(X)
Amount subject to LIFO reported without associated reserve and value[5]	13.0	(X)	19.6	(X)	39.0	(X)	44.2	(X)
Detail by stage of fabrication:								
Finished goods	429.1	(X)	1 003.2	(X)	2 539.3	(X)	2 861.5	(X)
Work-in-process	320.4	(X)	1 335.2	(X)	3 135.8	(X)	3 648.8	(X)
Materials and supplies	496.2	(X)	1 057.4	(X)	2 874.7	(X)	3 852.4	(X)
End of 1983, total[2]	1 143.9	8	3 289.6	3	9 156.3	1	10 805.4	1
Detail by method of valuation:								
Subject to LIFO costing[3]	(S)	(X)	829.0	3	2 718.1	2	3 244.9	2
LIFO reserve	(S)	(X)	204.1	3	975.9	3	1 063.2	1
LIFO value	(S)	(X)	624.9	3	1 742.2	2	2 181.7	2
Not subject to LIFO costing	(S)	(X)	2 160.6	5	5 301.3	1	6 461.3	1
Valuation method not reported[4]	134.0	6	265.8	6	1 092.2	3	1 030.8	3
Amount subject to LIFO reported without associated reserve and value[5]	8.5	9	34.2	29	44.8	23	68.4	18
Detail by stage of fabrication:								
Finished goods	420.2	3	927.3	10	2 758.5	1	2 851.5	1
Work-in-process	238.2	24	1 324.7	2	3 409.9	1	3 865.2	1
Materials and supplies	485.6	6	1 037.6	2	2 987.9	1	4 088.7	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	4 903.7	1	8 274.6	1	14 167.2	2	38 038.1	1
New capital expenditures	340.3	3	865.3	6	1 670.4	3	2 546.9	2
Used capital expenditures	16.8	19	40.6	27	80.2	12	311.1	4
Retirements	145.5	3	332.2	5	644.2	7	1 918.0	2
End of year	5 115.4	2	8 848.3	1	15 273.6	2	38 978.1	1
Buildings and other structures:								
Beginning of year	802.1	2	1 732.5	2	3 605.2	2	8 618.0	1
New capital expenditures	75.3	7	183.8	10	344.3	8	460.5	2
Used capital expenditures	3.1	11	21.8	36	28.9	18	57.2	10
Retirements	28.1	6	45.2	11	144.7	12	297.0	15
End of year	852.4	2	1 892.9	2	3 833.7	2	8 838.7	1
Machinery and equipment:								
Beginning of year	4 101.6	1	6 542.1	1	10 562.0	2	29 420.1	1
New capital expenditures	265.0	3	681.5	5	1 326.1	3	2 086.4	3
Used capital expenditures	13.7	23	18.8	19	51.3	14	253.9	4
Retirements	117.4	3	287.1	5	499.5	6	1 621.0	5
End of year	4 263.0	1	6 955.4	1	11 439.9	2	30 139.4	1
Depreciation charges during 1983:								
Total	309.3	2	535.9	3	1 242.4	2	2 737.6	1
Buildings and other structures	34.0	3	102.0	7	200.1	3	353.3	3
Machinery and equipment	275.3	2	433.9	3	1 042.3	2	2 384.3	1
Rental payments:								
Total	70.1	7	147.4	4	428.0	3	389.1	5
Buildings and other structures	18.3	9	68.3	5	235.0	4	157.7	7
Machinery and equipment	51.8	8	79.1	5	193.0	4	231.4	4
Supplemental labor costs:								
Total	408.9	1	1 168.6	2	2 607.1	1	5 905.5	1
Legal costs	191.9	1	411.2	2	1 021.0	1	2 103.7	1
Voluntary costs	217.0	2	757.4	2	1 586.1	1	3 801.8	1
Cost of purchased fuels used for heat and power	293.9	1	327.9	2	435.2	2	1 259.0	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	3 542.1	1	6 475.6	1	8 341.0	1	21 661.6	1
Cost	166.8	1	307.0	1	566.4	1	1 244.6	1
Generated less sold (million kWh)	3 274.5	(NA)	736.5	(NA)	407.6	(NA)	2 574.9	(NA)

See footnotes at end of table.

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Table 3. Supplemental Statistics for the United States and States: 1983—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Minnesota		Mississippi		Missouri		Montana	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	4 821.3	(X)	2 299.9	(X)	7 972.8	(X)	512.1	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	1 453.0	(X)	752.1	(X)	1 390.9	(X)	170.5	(X)
LIFO reserve	510.2	(X)	349.7	(X)	480.5	(X)	47.2	(X)
LIFO value	942.8	(X)	402.5	(X)	910.4	(X)	123.2	(X)
Not subject to LIFO costing	2 805.9	(X)	1 221.7	(X)	6 026.9	(X)	274.8	(X)
Valuation method not reported[4]	496.4	(X)	297.9	(X)	520.1	(X)	58.3	(X)
Amount subject to LIFO reported without associated reserve and value[5]	66.1	(X)	28.3	(X)	35.0	(X)	8.6	(X)
Detail by stage of fabrication:								
Finished goods	1 813.3	(X)	883.0	(X)	1 505.4	(X)	216.5	(X)
Work-in-process	1 410.8	(X)	588.9	(X)	3 579.1	(X)	76.1	(X)
Materials and supplies	1 597.1	(X)	828.0	(X)	2 888.2	(X)	219.5	(X)
End of 1983, total[2]	5 004.8	1	2 444.4	1	8 637.1	1	469.3	1
Detail by method of valuation:								
Subject to LIFO costing[3]	1 472.3	2	825.1	2	1 475.1	2	133.1	5
LIFO reserve	514.5	2	368.0	1	481.5	3	46.4	4
LIFO value	957.7	2	457.2	2	993.5	2	86.8	5
Not subject to LIFO costing	2 978.7	2	1 303.1	2	6 612.8	1	268.5	2
Valuation method not reported[4]	483.1	4	304.9	5	516.8	6	54.5	12
Amount subject to LIFO reported without associated reserve and value[5]	70.9	2	11.3	21	32.4	12	13.1	40
Detail by stage of fabrication:								
Finished goods	1 801.1	1	925.0	2	1 564.0	2	181.8	3
Work-in-process	1 492.1	2	603.1	2	3 922.3	1	86.0	7
Materials and supplies	1 711.6	2	916.4	2	3 150.8	1	201.6	2
Gross book value of depreciable assets:								
Total:								
Beginning of year	9 938.2	2	7 126.0	2	11 862.3	2	1 381.1	4
New capital expenditures	1 069.4	4	1 191.8	3	1 266.0	2	62.4	10
Used capital expenditures	69.1	9	72.7	21	79.5	8	3.1	22
Retirements	364.0	6	278.4	21	483.5	8	35.8	32
End of year	10 712.7	2	8 112.0	2	12 724.3	2	1 410.8	4
Buildings and other structures:								
Beginning of year	2 679.5	2	2 914.6	2	3 271.8	2	202.4	7
New capital expenditures	260.9	3	286.2	3	254.1	5	7.8	15
Used capital expenditures	12.7	6	14.8	21	30.2	16	.2	87
Retirements	61.6	6	61.2	17	98.6	8	4.4	17
End of year	2 891.5	2	3 154.4	2	3 457.5	2	206.0	7
Machinery and equipment:								
Beginning of year	7 258.7	2	4 211.4	2	8 590.5	2	1 178.7	4
New capital expenditures	808.5	4	905.6	3	1 011.9	2	54.6	11
Used capital expenditures	56.4	11	57.9	26	49.3	9	2.9	22
Retirements	302.4	7	217.2	23	384.9	8	31.4	36
End of year	7 821.2	2	4 957.6	2	9 266.8	2	1 204.8	4
Depreciation charges during 1983:								
Total	788.0	3	459.9	2	872.7	2	82.6	4
Buildings and other structures	124.6	3	136.1	3	145.7	3	10.8	6
Machinery and equipment	663.4	3	323.8	3	727.0	2	71.8	5
Rental payments:								
Total	222.6	6	67.6	5	151.7	3	7.4	12
Buildings and other structures	109.5	7	17.0	8	64.4	4	1.8	13
Machinery and equipment	113.1	10	50.6	6	87.3	4	5.6	16
Supplemental labor costs:								
Total	1 380.7	1	607.2	1	1 780.1	1	97.3	4
Legal costs	594.4	1	279.3	1	631.4	1	41.2	4
Voluntary costs	786.3	2	327.9	2	1 148.7	1	56.1	5
Cost of purchased fuels used for heat and power	335.6	1	304.9	2	427.6	2	86.1	2
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	7 238.6	1	6 230.4	2	10 791.1	2	2 174.2	4
Cost	313.3	1	314.3	1	447.2	2	71.9	1
Generated less sold (million kWh)	688.6	(NA)	(D)	(X)	96.0	(NA)	(D)	(X)

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 1983—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Nebraska		Nevada		New Hampshire		New Jersey	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	1 169.7	(X)	310.6	(X)	1 379.9	(X)	10 255.4	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	417.4	(X)	82.4	(X)	348.8	(X)	2 715.4	(X)
LIFO reserve	123.9	(X)	20.5	(X)	111.5	(X)	1 014.5	(X)
LIFO value	293.5	(X)	61.9	(X)	237.2	(X)	1 700.8	(X)
Not subject to LIFO costing	571.6	(X)	123.7	(X)	860.0	(X)	5 870.1	(X)
Valuation method not reported[4]	178.5	(X)	102.2	(X)	167.0	(X)	1 629.1	(X)
Amount subject to LIFO reported without associated reserve and value[5]	2.1	(X)	2.2	(X)	4.2	(X)	40.8	(X)
Detail by stage of fabrication:								
Finished goods	480.2	(X)	84.1	(X)	453.5	(X)	3 854.9	(X)
Work-in-process	241.9	(X)	96.3	(X)	484.7	(X)	2 890.1	(X)
Materials and supplies	447.6	(X)	130.2	(X)	441.8	(X)	3 510.3	(X)
End of 1983, total[2]	1 316.3	2	303.0	2	1 366.1	3	10 613.9	2
Detail by method of valuation:								
Subject to LIFO costing[3]	518.1	3	79.8	3	352.6	2	2 873.7	2
LIFO reserve	177.6	4	14.5	9	105.5	1	989.6	4
LIFO value	340.5	2	65.3	4	247.2	2	1 884.2	2
Not subject to LIFO costing	644.6	3	121.5	5	848.0	4	6 220.6	2
Valuation method not reported[4]	151.5	4	98.9	2	153.3	5	1 415.9	4
Amount subject to LIFO reported without associated reserve and value[5]	2.1	1	2.8	1	12.2	64	103.7	25
Detail by stage of fabrication:								
Finished goods	526.3	2	78.4	2	406.4	3	3 999.7	2
Work-in-process	290.7	2	89.3	2	517.6	3	2 872.9	2
Materials and supplies	499.3	3	135.3	5	442.1	5	3 741.3	2
Gross book value of depreciable assets:								
Total:								
Beginning of year	2 994.7	3	700.6	3	2 447.9	2	20 850.1	1
New capital expenditures	199.8	6	73.4	11	238.1	6	1 859.1	4
Used capital expenditures	29.1	6	1.4	19	13.7	21	139.0	10
Retirements	108.5	13	26.2	5	91.7	4	1 279.9	4
End of year	3 115.2	3	749.1	3	2 608.0	2	21 368.3	1
Buildings and other structures:								
Beginning of year	812.4	4	137.6	5	690.6	4	5 630.8	2
New capital expenditures	29.6	5	11.5	24	40.7	8	383.8	5
Used capital expenditures	5.8	5	.1	1	7.0	36	52.6	14
Retirements	21.7	15	1.8	1	21.5	9	457.2	4
End of year	826.1	4	147.4	6	716.8	4	5 610.0	2
Machinery and equipment:								
Beginning of year	2 182.3	3	563.0	3	1 757.3	2	15 019.3	1
New capital expenditures	170.2	7	61.9	11	197.4	6	1 475.3	4
Used capital expenditures	23.3	8	1.3	19	6.7	17	86.4	12
Retirements	86.8	13	24.4	5	70.2	4	822.7	4
End of year	2 289.1	3	601.7	4	1 891.2	2	15 758.3	2
Depreciation charges during 1983:								
Total	204.9	4	52.9	4	197.9	3	1 493.8	2
Buildings and other structures	36.0	7	6.8	4	33.2	7	255.1	3
Machinery and equipment	168.9	4	46.1	5	164.7	3	1 238.7	2
Rental payments:								
Total	29.8	6	12.1	14	40.9	6	446.7	3
Buildings and other structures	11.4	8	7.4	21	17.1	9	228.6	4
Machinery and equipment	18.4	7	4.7	7	23.8	7	218.1	4
Supplemental labor costs:								
Total	344.2	2	78.7	3	401.3	1	2 877.5	1
Legal costs	137.3	1	35.8	6	156.7	1	1 178.3	2
Voluntary costs	206.9	2	42.9	4	244.6	2	1 699.2	1
Cost of purchased fuels used for heat and power	123.7	3	42.5	11	88.1	2	862.0	3
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	2 536.1	4	387.1	2	1 561.5	2	13 029.7	1
Cost	105.1	2	33.1	3	108.5	3	909.2	3
Generated less sold (million kWh)	(D)	(X)	(S)	(X)	(D)	(X)	850.9	(NA)

See footnotes at end of table.

Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	New Mexico		New York		North Carolina		North Dakota	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	481.2	(X)	20 154.4	(X)	11 509.7	(X)	366.2	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	173.5	(X)	5 315.5	(X)	6 028.4	(X)	130.6	(X)
LIFO reserve	43.5	(X)	2 146.5	(X)	2 348.6	(X)	73.7	(X)
LIFO value	130.0	(X)	3 169.0	(X)	3 679.8	(X)	56.9	(X)
Not subject to LIFO costing	230.5	(X)	1 318.9	(X)	4 464.4	(X)	190.1	(X)
Valuation method not reported[4]	75.9	(X)	3 427.1	(X)	888.0	(X)	44.8	(X)
Amount subject to LIFO reported without associated reserve and value[5]	1.3	(X)	92.8	(X)	128.9	(X)	.8	(X)
Detail by stage of fabrication:								
Finished goods	134.5	(X)	5 86[illegible].7	(X)	3 101.2	(X)	155.1	(X)
Work-in-process	146.5	(X)	8 435.1	(X)	2 812.3	(X)	46.2	(X)
Materials and supplies	200.2	(X)	5 829.5	(X)	5 596.2	(X)	164.9	(X)
End of 1983, total[2]	471.7	3	20 129.3	1	12 099.9	1	313.8	3
Detail by method of valuation:								
Subject to LIFO costing[3]	185.8	1	5 439.5	1	6 022.5	1	123.7	7
LIFO reserve	26.9	19	2 125.1	1	2 315.4	8	76.9	3
LIFO value	158.9	8	3 314.5	1	3 707.1	1	46.8	13
Not subject to LIFO costing	216.9	5	11 344.9	1	4 888.9	2	145.8	2
Valuation method not reported[4]	65.2	6	3 263.7	2	990.1	2	43.5	3
Amount subject to LIFO reported without associated reserve and value[5]	3.8	54	81.2	20	198.6	2	.8	1
Detail by stage of fabrication:								
Finished goods	130.5	6	5 745.1	1	3 216.8	1	110.6	9
Work-in-process	165.8	5	8 445.5	1	2 961.7	2	41.7	3
Materials and supplies	175.4	4	5 938.7	1	5 921.4	1	161.4	2
Gross book value of depreciable assets:								
Total:								
Beginning of year	1 280.2	5	36 330.4	1	24 388.4	1	680.0	9
New capital expenditures	122.5	7	3 545.6	2	2 419.1	3	57.4	26
Used capital expenditures	6.0	42	270.3	4	199.4	10	4.6	33
Retirements	134.7	61	2 430.4	3	968.7	5	17.6	17
End of year	1 274.0	6	37 715.9	1	26 038.2	1	724.4	10
Buildings and other structures:								
Beginning of year	236.6	12	9 177.5	1	5 773.4	2	175.8	15
New capital expenditures	13.2	7	601.1	4	400.2	5	15.5	41
Used capital expenditures	.4	44	112.8	2	42.1	12	.4	26
Retirements	36.4	75	409.0	13	167.4	14	3.0	4
End of year	213.8	10	9 482.4	1	6 048.3	2	188.7	17
Machinery and equipment:								
Beginning of year	1 043.6	4	27 152.9	1	18 615.0	1	504.2	7
New capital expenditures	109.3	8	2 944.5	3	2 018.9	3	41.9	21
Used capital expenditures	5.5	43	157.5	6	157.3	10	4.2	35
Retirements	98.3	57	2 021.4	3	801.3	5	14.6	19
End of year	1 060.2	6	28 233.5	1	19 989.9	1	535.7	8
Depreciation charges during 1983:								
Total	90.3	6	2 711.6	2	1 719.3	3	47.1	8
Buildings and other structures	13.5	13	422.1	3	295.5	4	10.6	18
Machinery and equipment	76.8	6	2 289.5	2	1 423.8	3	36.5	7
Rental payments:								
Total	13.7	36	846.3	3	246.7	5	7.0	18
Buildings and other structures	5.0	33	463.3	4	105.0	5	4.6	27
Machinery and equipment	8.7	39	383.0	3	141.7	5	2.4	16
Supplemental labor costs:								
Total	102.1	4	5 501.0	1	2 377.5	1	53.2	2
Legal costs	40.7	5	2 175.6	1	980.5	1	23.7	2
Voluntary costs	61.4	4	3 325.4	1	1 397.0	1	29.5	4
Cost of purchased fuels used for heat and power	79.9	6	1 123.7	2	747.0	1	26.3	2
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	853.2	4	31 400.3	1	24 341.8	1	552.7	9
Cost	46.3	3	1 410.4	1	896.5	2	23.1	3
Generated less sold (million kWh)	(D)	(X)	2 053.5	(NA)	1 935.1	(NA)	(D)	(X)

See footnotes at end of table.

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Table 3. Supplemental Statistics for the United States and States: 1983—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Ohio		Oklahoma		Oregon		Pennsylvania	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	17 058.6	(X)	3 720.2	(X)	2 827.0	(X)	17 530.7	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	6 912.3	(X)	1 118.1	(X)	1 034.3	(X)	6 400.6	(X)
LIFO reserve	2 634.6	(X)	369.5	(X)	336.9	(X)	2 845.2	(X)
LIFO value	4 277.8	(X)	748.6	(X)	697.4	(X)	3 555.4	(X)
Not subject to LIFO costing	8 508.0	(X)	2 217.8	(X)	1 368.3	(X)	9 178.7	(X)
Valuation method not reported[4]	1 520.5	(X)	369.7	(X)	403.0	(X)	1 894.3	(X)
Amount subject to LIFO reported without associated reserve and value[5]	117.7	(X)	14.6	(X)	21.4	(X)	57.1	(X)
Detail by stage of fabrication:								
Finished goods	5 634.4	(X)	1 436.6	(X)	1 134.3	(X)	5 757.4	(X)
Work-in-process	5 783.1	(X)	910.0	(X)	693.3	(X)	5 849.2	(X)
Materials and supplies	5 641.0	(X)	1 373.7	(X)	999.4	(X)	5 924.0	(X)
End of 1983, total[2]	17 534.9	1	3 495.4	1	2 921.9	1	16 903.7	1
Detail by method of valuation:								
Subject to LIFO costing[3]	7 316.5	2	882.0	2	1 026.4	2	6 346.2	1
LIFO reserve	2 736.3	1	293.6	1	360.0	2	2 641.0	[illegible]
LIFO value	4 580.3	2	588.4	2	666.4	2	3 705.3	1
Not subject to LIFO costing	8 771.9	1	2 223.8	1	1 427.7	2	8 815.5	2
Valuation method not reported[4]	1 265.2	3	373.9	2	441.3	3	1 566.7	5
Amount subject to LIFO reported without associated reserve and value[5]	181.4	8	15.7	2	26.4	11	175.3	5
Detail by stage of fabrication:								
Finished goods	5 746.0	1	1 239.4	2	1 190.1	2	5 464.8	1
Work-in-process	5 899.1	1	937.9	2	730.1	2	5 745.3	2
Materials and supplies	5 889.8	2	1 318.1	1	1 001.7	2	5 693.6	2
Gross book value of depreciable assets:								
Total:								
Beginning of year	44 308.4	1	7 608.7	2	7 661.5	2	40 759.9	1
New capital expenditures	3 132.2	2	544.3	5	489.9	4	2 998.3	4
Used capital expenditures	338.3	14	38.3	13	66.4	30	306.7	5
Retirements	1 980.0	3	307.7	7	324.2	6	2 407.2	2
End of year	45 858.9	1	7 883.5	2	7 895.7	2	41 657.7	1
Buildings and other structures:								
Beginning of year	9 558.7	1	1 754.1	5	1 556.1	4	8 704.8	2
New capital expenditures	417.3	3	58.7	13	81.8	7	458.7	5
Used capital expenditures	110.2	32	4.5	24	20.9	88	55.6	13
Retirements	247.1	4	33.6	13	37.5	10	363.9	4
End of year	9 839.1	1	1 783.7	5	1 621.3	5	8 855.2	2
Machinery and equipment:								
Beginning of year	34 749.7	1	5 854.6	3	6 105.4	2	32 055.1	1
New capital expenditures	2 714.9	2	485.6	5	408.1	4	2 539.6	4
Used capital expenditures	288.1	8	33.8	15	47.5	13	251.1	5
Retirements	1 732.9	3	274.1	7	286.7	6	2 043.3	2
End of year	36 019.8	1	6 099.8	3	6 274.4	2	32 802.5	1
Depreciation charges during 1983:								
Total	2 994.1	1	528.2	3	580.8	2	2 444.6	2
Buildings and other structures	393.1	2	81.6	5	74.5	5	355.9	2
Machinery and equipment	2 601.0	1	446.6	3	506.3	2	2 088.7	2
Rental payments:								
Total	512.8	3	78.8	12	93.0	5	541.2	3
Buildings and other structures	196.0	4	27.4	16	42.5	8	203.7	5
Machinery and equipment	316.8	3	51.4	15	50.5	7	337.5	4
Supplemental labor costs:								
Total	6 324.7	1	722.5	1	920.1	2	5 366.5	1
Legal costs	2 137.6	1	285.5	1	409.8	2	2 042.1	1
Voluntary costs	4 187.1	1	437.0	2	510.3	2	3 324.4	1
Cost of purchased fuels used for heat and power	2 044.1	1	456.0	1	272.9	2	2 091.7	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	46 440.9	1	6 449.5	2	11 742.0	1	30 228.3	1
Cost	1 923.0	1	257.5	2	377.4	1	1 565.4	1
Generated less sold (million kWh)	2 827.7	(NA)	538.7	(NA)	(S)	(X)	2 765.2	(NA)

See footnotes at end of table.

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Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Rhode Island		South Carolina		South Dakota		Tennessee	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	1 341.6	(X)	4 351.1	(X)	281.7	(X)	6 299.0	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	464.0	(X)	1 772.8	(X)	55.5	(X)	2 314.1	(X)
LIFO reserve	149.2	(X)	587.3	(X)	16.5	(X)	772.0	(X)
LIFO value	314.7	(X)	1 185.5	(X)	39.0	(X)	1 542.1	(X)
Not subject to LIFO costing	593.5	(X)	2 158.8	(X)	174.5	(X)	3 177.1	(X)
Valuation method not reported[4]	271.6	(X)	354.2	(X)	50.3	(X)	778.6	(X)
Amount subject to LIFO reported without associated reserve and value[5]	12.6	(X)	65.3	(X)	1.4	(X)	29.2	(X)
Detail by stage of fabrication:								
Finished goods	510.6	(X)	1 697.3	(X)	95.9	(X)	2 657.4	(X)
Work-in-process	366.2	(X)	1 195.4	(X)	72.4	(X)	1 653.2	(X)
Materials and supplies	464.7	(X)	1 458.4	(X)	113.4	(X)	1 988.4	(X)
End of 1983, total[2]	1 373.9	2	4 492.1	1	300.1	6	6 468.3	1
Detail by method of valuation:								
Subject to LIFO costing[3]	494.2	2	1 901.7	1	79.2	19	2 473.0	1
LIFO reserve	161.2	3	616.7	2	27.0	20	793.8	1
LIFO value	332.9	2	1 284.9	1	52.2	19	1 679.2	1
Not subject to LIFO costing	635.3	3	2 201.2	2	185.2	8	3 466.2	1
Valuation method not reported[4]	232.0	7	340.2	5	34.3	37	482.3	5
Amount subject to LIFO reported without associated reserve and value[5]	12.5	24	49.1	3	1.4	1	46.8	13
Detail by stage of fabrication:								
Finished goods	501.8	1	1 626.3	1	102.9	8	2 665.0	1
Work-in-process	346.4	3	1 337.6	2	76.0	7	1 647.1	1
Materials and supplies	525.7	3	1 528.3	2	121.2	8	2 156.2	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	2 239.6	3	15 155.1	1	671.2	10	15 307.8	1
New capital expenditures	189.4	14	1 859.9	2	83.6	22	1 219.0	3
Used capital expenditures	25.0	38	300.5	4	1.4	13	188.9	11
Retirements	138.5	15	723.6	6	11.0	25	595.5	7
End of year	2 315.5	3	16 591.9	1	745.1	10	16 120.2	1
Buildings and other structures:								
Beginning of year	594.3	4	3 106.4	1	213.5	16	3 759.9	2
New capital expenditures	40.3	21	251.9	5	24.6	29	210.2	3
Used capital expenditures	10.1	58	13.4	4	.2	51	24.7	14
Retirements	41.3	9	110.1	15	2.9	25	89.2	8
End of year	603.4	4	3 261.6	1	235.3	16	3 905.6	2
Machinery and equipment:								
Beginning of year	1 645.3	3	12 048.7	1	457.7	7	11 547.9	1
New capital expenditures	149.1	14	1 608.0	2	59.0	20	1 008.8	3
Used capital expenditures	14.9	28	287.1	4	1.2	12	164.2	11
Retirements	97.2	16	613.5	5	8.1	28	506.3	9
End of year	1 712.1	3	13 330.3	1	509.8	7	12 214.6	1
Depreciation charges during 1983:								
Total	175.4	3	972.0	2	51.1	11	1 011.8	2
Buildings and other structures	26.5	5	123.3	5	11.5	20	162.3	2
Machinery and equipment	148.9	3	848.7	2	39.6	9	849.5	2
Rental payments:								
Total	59.0	13	98.3	6	8.1	14	180.9	2
Buildings and other structures	32.1	7	33.7	15	3.6	16	64.9	4
Machinery and equipment	26.9	23	64.6	4	4.5	19	116.0	2
Supplemental labor costs:								
Total	402.2	2	1 183.3	1	82.0	4	1 763.0	1
Legal costs	191.3	2	490.1	1	32.5	4	678.1	1
Voluntary costs	210.9	2	693.2	1	49.5	4	1 084.9	1
Cost of purchased fuels used for heat and power	67.1	3	560.4	2	19.7	11	592.0	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	1 268.8	2	16 869.6	1	480.0	10	26 512.7	1
Cost	94.3	2	752.3	1	21.6	6	1 104.1	1
Generated less sold (million kWh)	7.1	(NA)	1 532.3	(NA)	-	(NA)	1 819.5	(NA)

See footnotes at end of table.

Table 3. Supplemental Statistics for the United States and States: 1983 – Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Texas		Utah		Vermont		Virginia	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	24 149.6	(X)	1 244.6	(X)	675.5	(X)	7 308.5	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	9 706.0	(X)	294.8	(X)	176.3	(X)	4 659.2	(X)
LIFO reserve	3 872.4	(X)	121.9	(X)	80.2	(X)	1 490.8	(X)
LIFO value	5 833.6	(X)	172.8	(X)	96.1	(X)	3 168.4	(X)
Not subject to LIFO costing	12 064.6	(X)	749.3	(X)	423.3	(X)	2 184.7	(X)
Valuation method not reported[4]	2 261.[illegible]	(X)	157.3	(X)	72.2	(X)	419.7	(X)
Amount subject to LIFO reported without associated reserve and value[5]	117.7	(X)	43.2	(X)	3.7	(X)	45.0	(X)
Detail by stage of fabrication:								
Finished goods	9 309.7	(X)	442.9	(X)	132.7	(X)	1 772.3	(X)
Work-in-process	6 129.3	(X)	432.0	(X)	357.5	(X)	1 162.4	(X)
Materials and supplies	8 710.5	(X)	369.6	(X)	185.3	(X)	4 373.8	(X)
End of 1983, total[2]	21 624.1	1	1 313.6	2	714.5	3	7 386.2	1
Detail by method of valuation:								
Subject to LIFO costing[3]	8 544.2	1	272.3	3	161.0	4	4 663.2	1
LIFO reserve	3 703.5	1	119.5	2	75.3	2	1 572.7	1
LIFO value	4 840.8	1	152.9	4	85.6	6	3 090.5	1
Not subject to LIFO costing	11 016.1	1	840.2	4	467.2	3	2 268.2	3
Valuation method not reported[4]	1 916.7	3	180.7	10	83.0	10	402.1	10
Amount subject to LIFO reported without associated reserve and value[5]	147.1	19	20.3	47	3.4	7	52.8	17
Detail by stage of fabrication:								
Finished goods	8 512.3	1	487.2	4	131.7	8	1 895.6	1
Work-in-process	5 533.5	1	432.8	2	415.0	1	1 226.5	3
Materials and supplies	7 578.3	1	393.6	4	167.9	4	4 264.1	1
Gross book value of depreciable assets:								
Total:								
Beginning of year	64 790.7	1	3 164.0	3	1 852.0	2	14 012.3	1
New capital expenditures	5 [illegible]29.5	2	277.7	8	242.6	4	1 072.0	3
Used capital expenditures	274.4	10	5.8	5	6.8	23	56.1	10
Retirements	3 302.9	3	73.9	5	97.8	9	378.0	7
End of year	67 19[illegible].7	1	3 373.6	3	2 003.6	2	14 762.4	1
Buildings and other structures:								
Beginning of year	12 439.5	1	681.5	4	477.1	9	3 818.0	2
New capital expenditures	1 081.7	2	66.8	7	25.0	17	204.8	5
Used capital expenditures	90.9	27	6	29	7	38	10.2	31
Retirements	559.3	5	17.1	6	9.2	29	56.7	15
End of year	13 052.8	1	731.8	4	493.6	8	3 976.3	2
Machinery and equipment:								
Beginning of year	52 351.2	1	2 482.5	4	1 374.9	3	10 194.3	1
New capital expenditures	4 347.8	2	210.9	9	217.6	3	867.2	3
Used capital expenditures	183.5	5	5.2	4	6.1	24	45.9	8
Retirements	2 743.6	3	56.8	6	88.6	9	321.3	6
End of year	54 138.9	1	2 641.8	4	1 510.0	3	10 786.1	1
Depreciation charges during 1983:								
Total	4 299.9	1	225.2	4	176.9	2	935.4	2
Buildings and other structures	650.5	2	31.3	5	21.2	14	161.4	3
Machinery and equipment	3 649.4	1	193.9	5	155.7	3	774.0	2
Rental payments:								
Total	682.9	2	70.3	9	20.9	8	174.9	3
Buildings and other structures	266.8	5	26.3	10	12.1	10	60.2	5
Machinery and equipment	416.1	2	44.0	11	8.8	13	114.7	4
Supplemental labor costs:								
Total	4 050.2	1	389.9	2	219.9	3	1 520.5	1
Legal costs	1 604.2	1	148.0	2	77.6	3	593.1	1
Voluntary costs	2 446.0	1	241.9	2	142.3	3	927.4	1
Cost of purchased fuels used for heat and power	4 289.2	1	93.9	14	32.1	4	529.7	1
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	52 226.7	1	3 049.0	3	949.0	2	11 225.8	1
Cost	2 460.9	1	113.2	3	53.1	2	502.0	1
Generated less sold (million kWh)	6 352.7	(NA)	237.6	(NA)	71.1	(NA)	2 146.3	(NA)

See footnotes at end of table.

Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[For meaning of abbreviations and symbols, see introductory text. For description of annual survey of manufactures (ASM) and explanation of terms, see appendixes]

Item	Washington		West Virginia		Wisconsin		Wyoming	
	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)	Amount (million dollars)	Relative standard error of estimate[1] (percent)
Manufacturers' inventories[2]								
End of 1982, total	10 546.1	(X)	1 915.8	(X)	7 417.0	(X)	266.3	(X)
Detail by method of valuation:								
Subject to LIFO costing[3]	866.3	(X)	819.1	(X)	3 084.8	(X)	169.2	(X)
LIFO reserve	332.5	(X)	498.0	(X)	1 111.8	(X)	115.2	(X)
LIFO value	533.8	(X)	321.1	(X)	1 973.1	(X)	54.0	(X)
Not subject to LIFO costing	9 100.1	(X)	958.3	(X)	3 674.3	(X)	56.5	(X)
Valuation method not reported[4]	563.5	(X)	128.2	(X)	604.6	(X)	38.6	(X)
Amount subject to LIFO reported without associated reserve and value[5]	16.[illegible]	(X)	10.2	(X)	53.2	(X)	2.0	(X)
Detail by stage of fabrication:								
Finished goods	1 859.1	(X)	770.9	(X)	2 720.4	(X)	136.7	(X)
Work-in-process	7 096.1	(X)	531.9	(X)	1 976.3	(X)	41.7	(X)
Materials and supplies	1 590.9	(X)	613.0	(X)	2 720.1	(X)	87.9	(X)
End of 1983, total[2]	8 660.7	1	1 857.2	1	7 377.6	1	256.9	2
Detail by method of valuation:								
Subject to LIFO costing[3]	812.0	5	782.1	1	3 320.2	2	182.0	2
LIFO reserve	320.5	5	428.7	2	1 144.3	1	116.3	1
LIFO value	491.5	6	353.4	1	2 175.9	3	65.7	4
Not subject to LIFO costing	7 288.2	1	947.2	2	3 369.7	2	37.0	12
Valuation method not reported[4]	476.1	10	115.9	10	574.9	[illegible]	[illegible]	4
Amount subject to LIFO reported without associated reserve and value[5]	84.5	49	12.0	4	112.8	4	1.6	1
Detail by stage of fabrication:								
Finished goods	1 678.3	1	730.3	2	2 513.4	2	125.[illegible]	2
Work-in-process	5 394.6	1	537.7	2	2 003.0	1	53.7	5
Materials and supplies	1 587.8	2	589.2	2	2 861.2	1	77.5	4
Gross book value of depreciable assets:								
Total:								
Beginning of year	13 236.9	1	6 145.1	1	15 845.7	1	551.6	13
New capital expenditures	1 015.1	3	517.0	3	1 385.5	4	43.9	11
Used capital expenditures	42.2	7	6.9	15	142.2	9	5.6	76
Retirements	453.4	4	194.3	14	657.1	4	12.4	10
End of year	13 840.9	1	6 474.7	1	16 721.3	1	588.8	13
Buildings and other structures:								
Beginning of year	3 636.5	2	953.0	2	4 006.8	2	111.0	18
New capital expenditures	233.1	5	49.9	7	260.8	1	2.1	40
Used capital expenditures	6.9	5	.9	41	35.2	13	1.1	77
Retirements	64.1	6	23.2	9	123.8	8	1.3	27
End of year	3 812.4	2	980.5	2	4 179.0	2	112.9	17
Machinery and equipment:								
Beginning of year	9 600.4	1	5 192.1	1	11 838.9	1	440.6	13
New capital expenditures	782.0	3	467.1	3	1 124.7	4	41.8	11
Used capital expenditures	35.3	8	6.0	12	112.0	9	4.5	92
Retirements	389.3	4	171.1	15	533.3	4	11.1	10
End of year	10 028.5	1	5 494.2	1	12 542.3	1	475.9	13
Depreciation charges during 1983:								
Total	916.7	4	367.9	2	1 109.8	2	36.6	19
Buildings and other structures	199.4	15	42.4	3	168.2	4	6.4	18
Machinery and equipment	717.3	2	325.5	2	941.6	2	30.2	20
Rental payments:								
Total	159.5	4	36.6	10	261.2	4	5.3	66
Buildings and other structures	86.7	6	11.8	17	103.2	6	.4	71
Machinery and equipment	72.8	5	24.8	9	158.0	6	4.9	70
Supplemental labor costs:								
Total	1 555.4	1	533.6	1	2 273.9	1	29.7	9
Legal costs	620.8	2	169.8	2	850.6	1	14.3	13
Voluntary costs	934.6	1	363.8	1	1 423.3	1	15.4	11
Cost of purchased fuels used for heat and power	483.8	1	379.1	1	666.9	2	50.4	6
Electric energy used for heat and power:								
Purchased:								
Quantity (million kWh)	32 321.3	1	5 757.4	2	12 387.7	1	1 429.9	3
Cost	713.1	1	215.2	2	603.2	1	14.6	9
Generated less sold (million kWh)	(S)	(X)	1 257.6	(NA)	2 024.5	(NA)	15.1	(NA)

See footnotes at end of table

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Table 3. **Supplemental Statistics for the United States and States: 1983**—Con.

[1] Description of standard error of estimate is given in Introduction under Qualifications of Data. Percentage standard errors shown are approximate relative standard errors of estimates of level for 1983.

[2] Beginning in the 1982 Economic Censuses, all respondents were requested to report their inventories at cost or market prior to any adjustment to LIFO cost. This uniform instruction is a change from prior Censuses and annual surveys of manufactures in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1983 and 1982 data for inventories and value added by manufacture, which is computed using the inventory data, are not comparable to prior year data. For further explanation, see Inventories in appendixes.

[3] Includes only data reported by respondents who: (a) indicated amount of inventories subject to LIFO cost, and (b) provided sufficient information to determine associated LIFO reserve and value figures.

[4] Includes data estimated for nonresponse and nonmail administrative records and data reported by respondents who provided total inventory figures without other information.

[5] Includes data reported by respondents who indicated their inventories subject to LIFO cost but did not provide associated LIFO reserve and value figures.

APPENDIX
Explanation of Terms

ALL EMPLOYEES

The category "all employees" comprises all full-time and part-time employees on the payrolls of operating manufacturing establishments who worked or received pay for any part of the pay period ended nearest the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Excluded are members of the Armed Forces and pensioners carried on the active rolls but not working during the period. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded from the total.

Production Workers

This category includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Supervisory employees above the line-supervisor level are excluded from this category.

All Other Employees

Nonproduction personnel of the manufacturing establishment includes those engaged in the following activities: factory supervision above the line-supervisor level, sales (including driver salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations to the plant and who are utilized as a separate work force.

EMPLOYMENT AND PAYROLL FOR AUXILIARIES

Respondents were asked to file separate reports for any auxiliaries at a different location from the establishments served or at the same location as one of these establishments but not operated as an integral part thereof and administering and serving two establishments or more. Included in the category of auxiliaries are central administrative offices which include employees whose functions are general company policy determination, planning, and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company.

The employment and payroll data shown for central administrative offices and auxiliary units represent the total for all such units which primarily serve manufacturing plants.

AVERAGE EMPLOYMENT

The annual survey report forms requested employment figures for "production workers" for four selected pay periods (i.e., production workers' midmonth employment in March, May, August, and November). For "all other employees" only a mid-March figure was requested. Thus the "annual average" is composed of an average of the four monthly figures for the "production workers" plus the March figure for "all other employees."

PAYROLLS

This total includes the gross earnings paid to all employees on the payroll of operating manufacturing establishments in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, all bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations, but excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payroll of manufacturing establishments.

PRODUCTION-WORKER HOURS

This total consists of all plant hours of production workers as defined above. It represents all hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. Where employees elected to work during the vacation period, only actual hours worked by such employees were reported.

VALUE ADDED BY MANUFACTURE

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments for products manufactured plus receipts for services rendered. The result of this calculation is then adjusted by the addition of value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacturing, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

Value added avoids the duplication in the value of shipments figure which results from the use of products of some establishments as materials by others. Consequently, it is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

COST OF MATERIALS

This term refers to direct changes actually paid or payable for items consumed or put into production during the year, including freight changes and other direct changes incurred by the establishment in acquiring these materials. Manufacturers included the cost of materials or fuel consumed regardless of whether these items were purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

To arrive at the industry total cost of materials, separate figures were obtained for (a) the total delivered cost of all raw materials, semifinished goods, parts, components, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (b) the amount paid for electric energy purchased; (c) the amount paid for all fuels consumed for heat, power, or the generation of electricity; (d) the cost of work done by others on materials or parts furnished by manufacturing establishments (contract work); (e) the cost of products bought and resold in the same condition. The total excludes the cost of services used, such as advertising, insurance, telephone, etc., and research, developmental, and consulting services of other establishments; it also excludes overhead costs, such as depreciation charges, rent, interest, royalties, etc. Materials, machinery, and equipment used on plant expansion or capitalized repairs which are chargeable to fixed assets accounts are also excluded.

VALUE OF SHIPMENTS

The amounts under value of shipments are the received or receivable net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. However, where the products of an industry are customarily delivered by the manufacturing establishments (i.e., bakery products, fluid milk, and soft drinks), the value of shipments is based on the delivered price of the goods rather than the f.o.b. plant price.

Under the general heading of shipments, manufacturers were asked to include all items made by or for each establishment from materials owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. Also included were receipts for contract work and for such miscellaneous activities as sale of scrap and refuse, installation work by manufacturing plant employees, research and development work, and repair work. The net selling value of products made in one plant on a contract basis from materials owned by others was reported by the plant providing the materials. The value of products bought and resold without further processing (merchandising) was reported separately and is included in the value of shipments totals for each industry. The inclusion of resales in total value of shipments is a change in procedure initiated with the 1958 Census of Manufactures.

In the case of mulitunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company (i.e., other manufacturing plants, separate sales branches, or retail stores) as though the establishments were a separate economic unit. The company was requested to include in "value of interplant transfers within the company" not only the direct costs of production but also a reasonable proportion of "all other costs" (including company overhead) and profit.

For a relatively few industries (canning and preserving, other than meats, and apparel) where shipment figures are generally not maintained, the "value of production" was requested. These instances are noted in the tables for the industries involved.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within many of the machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the United States level and beginning in 1964, for all geographic levels.

END-OF-YEAR INVENTORIES

Respondents were asked to report their 1982 and 1983 end-of-year inventories at cost or market. Effective with the 1982 Economic Censuses, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few.) In 1982 and 1983, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment of the reserve.

Because of this change in reporting instructions, the 1982 and 1983 data for inventories and value added by manufacture included in the tables of this report are not comparable to the prior-year data shown in this report and in historical census of manufactures and annual survey of manufactures publications. Inventories and value added data estimated on a basis comparable to the historical data, using the reported information for 1982, are shown in footnote 4 of table 1a of the 1982 census final reports.

In using inventory data by stage of fabrication for "all industries" and at the two-digit industry level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by another establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown in individual industries, industry groups, and "all manufacturing," which are aggregates of figures reported by establishments in specified industries.

NEW AND USED CAPITAL EXPENDITURES

For establishments in operation and establishments under construction but not yet in operation, manufacturers were asked to report capital expenditures for (a) permanent additions and major alterations to manufacturing establishments and (b) machinery and equipment used for replacement purposes and additions to plant capacity if they are the type for which depreciation accounts are ordinarily maintained.

The totals for new expenditures exclude that portion of expenditures for facilities and equipment leased from nonmanufacturing concerns, new facilities owned by the Federal government but operated under contract by private companies, and plant and equipment furnished to the manufacturer by communities and organizations. Expenditures for used plant and equipment, expenditures for land, and cost of maintenance and repairs charged as current operating expenses are also omitted.

Manufacturers were also requested to report the value of all used buildings and equipment purchased during the year at the purchase price. For any equipment or structure transferred to the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. Furthermore, if the establishment changed ownership during the year, the cost of the fixed assets (buildings and equipment) was to be reported under used capital expenditures.

BEGINNING-AND END-OF-YEAR DEPRECIABLE ASSETS

The data encompass all fixed depreciable assets on the books of establishments at the beginning and at the end of the year. The values shown (book value) represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets, including inventories and intangible assets, such as patent rights and royalties. Also excluded are land and depletable assets, such as timber and mineral rights.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year, rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress. In addition, respondents were requested to make certain that assets at the beginning of the year plus new and used capital expenditures, less retirements, equalled assets at the end of the year.

RETIREMENTS

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during 1983. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent was also requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

DEPRECIATION CHARGES

Depreciation charges include depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

RENTAL PAYMENTS

The figures include rental payment for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for use for intangibles and depletable assets, and land rents where separable.

Where an establishment of a multiestablishment company was charged a "rent" by another part of the same company for the use of assets owned by the company, the establishment was instructed to exclude those payments from rental payments. However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment which were rented from another company but the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

LABOR COSTS

Supplemental labor costs are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. It includes the employer portion of such plans as insurance premiums, premiums for supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. It excludes such items as company operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees. While the excluded items do benefit employees and all or part of their cost is generally similar to the items covered in the annual survey labor cost statistics, accounting records do not, in general, provide reliable figures on net employee benefits of these types.

COST OF FUELS CONSUMED FOR HEAT, POWER, OR GENERATION OF ELECTRICITY, AND ELECTRIC ENERGY USED FOR HEAT AND POWER

These items refer to fuels and electric energy consumed for heat, power, or generation of electricity whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year. It also includes data on the quantity of purchased electric energy and quantity of generated-less-sold electric energy. The cost and quantity of purchased electric energy represent the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

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